SHARP

香港電器安全規格
(國際電工委員會規格適合)

LC-42D65H
LC-46D65H

液晶彩色電視機
LCD COLOUR TELEVISION

使用說明書
OPERATION MANUAL

AQUOS

FULL HD 1080P

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

DOLBY DIGITAL

SRS TruSurround XT

AUDYSSEY EQ

中文 (繁體)

ENGLISH

OPERATION MANUAL ENGLISH

Dear SHARP customer

Thank you for your purchase of the SHARP LCD colour TV product. To ensure safety and many years of trouble-free operation of your product, please read the Important Safety Precautions carefully before using this product.

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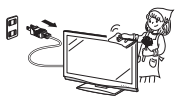
Important Safety Precautions

- Cleaning — Unplug the AC cord from the AC outlet before cleaning the product. Use a damp cloth to clean the product. Do not use liquid cleaners or aerosol cleaners.



- Water and moisture — Do not use the product near water, such as bathtub, washbasin, kitchen sink, laundry tub, swimming pool and in a wet basement.

- Do not place vases or any other water-filled containers on this product. The water may spill onto the product causing fire or electric shock.

- Stand — Do not place the product on an unstable cart, stand, tripod or table. Doing so can cause the product to fall, resulting in serious personal injuries as well as damage to the product. Use only a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. When mounting the product on a wall, be sure to follow the manufacturer's instructions. Use only the mounting hardware recommended by the manufacturer.

- When relocating the product placed on a cart, it must be moved with utmost care. Sudden stops, excessive force and uneven floor surface can cause the product to fall from the cart.

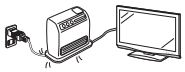
- Ventilation — The vents and other openings in the cabinet are designed for ventilation. Do not cover or block these vents and openings since insufficient ventilation can cause overheating and/or shorten the life of the product. Do not place the product on a bed, sofa, rug or other similar surface, since they can block ventilation openings. This product is not designed for built-in installation; do not place the product in an enclosed place such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions are followed.

- The LCD panel used in this product is made of glass. Therefore, it can break when the product is struck forcefully or with a sharp object. If the LCD panel is broken, be careful not to be injured by broken glass.

- Heat sources — Keep the product away from heat sources such as radiators, heaters, stoves and other heat-generating products (including amplifiers)

- To prevent fire, never place any type of candle or naked flames on the top or near the TV set.

- To prevent fire or shock hazard, do not place the AC power cord under the TV set or other heavy items.

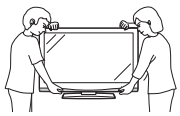


- Do not place heavy objects on this product or stand on it. Doing so could cause injury if the product overturns. Take special care near children and pets.

The LCD panel is a very high technology product with 2,073,600 pixels, giving you fine picture details. Due to the very large number of pixels, occasionally a few non-active pixels may appear on the screen as a fixed point of blue, green or red.
This is within product specifications and does not constitute a fault.

Precautions when transporting the TV

- When transporting the TV, never carry it by holding or otherwise putting pressure onto the display. Be sure to always carry the TV by two people holding it with two hands — one hand on each side of the TV.

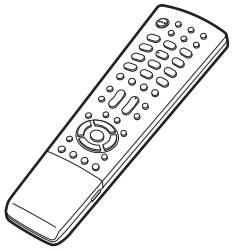
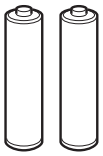
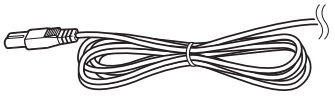


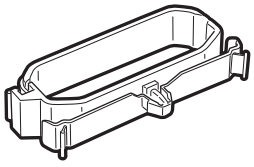
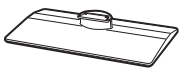
- Do not display a still picture for a long time, as this could cause an afterimage to remain.

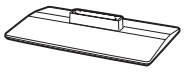
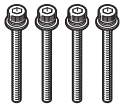
- Install the product on the place where the AC cord can be unplugged easily from the AC outlet, or from the AC INPUT terminal on the rear of the product.

Supplied accessories

Make sure the following accessories are provided with the product.

Remote control unit	"AAA" size battery (×2)	AC cord
 Used with batteries inserted. Page 9	 Page 13	 Always use the AC cord supplied with the TV. Page 10

Cable clamp	Stand unit
 For bundling cables. Page 10	**LC-42D65H**  Stand post Short screws (×4) Long screws (×4) Stand post Hex key Cloth Put all parts of the stand unit together and then attach it to the TV. Page 6

Operation manual	Stand unit
 	LC-46D65H  Stand post Short screws (×4)  Long screws (×4) Stand post Hex key Cloth Put all parts of the stand unit together and then attach it to the TV. Page 6

Trademarks

- TruSurround XT, SRS and (●)® symbol are trademarks of SRS Labs, Inc.
  TruSurround XT technology is incorporated under license from SRS Labs, Inc.
- Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.
- "HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC."

Preparation

Attaching the stand

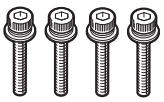
- Before attaching (or detaching) the stand, unplug the AC cord from the AC INPUT terminal.
- Before performing work spread cushioning over the base area to lay the TV on. This will prevent it from being damaged.

CAUTION

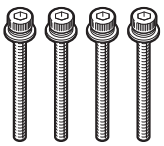
- **Attach the stand in the correct direction.**
- **Be sure to follow the instructions. Incorrect installation of the stand may result in the TV falling over.**

1 Confirm the 8 screws supplied with the TV.

Short screws (×4) (used in step 3)

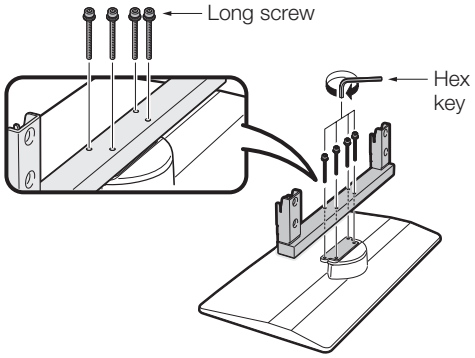


Long screws (×4) (used in step 2)

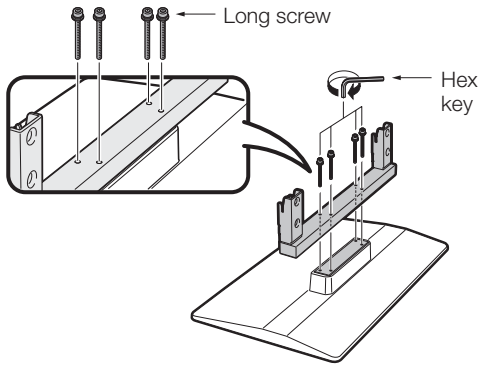


2 Attach the supporting post for the stand unit onto the base as shown below.

LC-42D65H

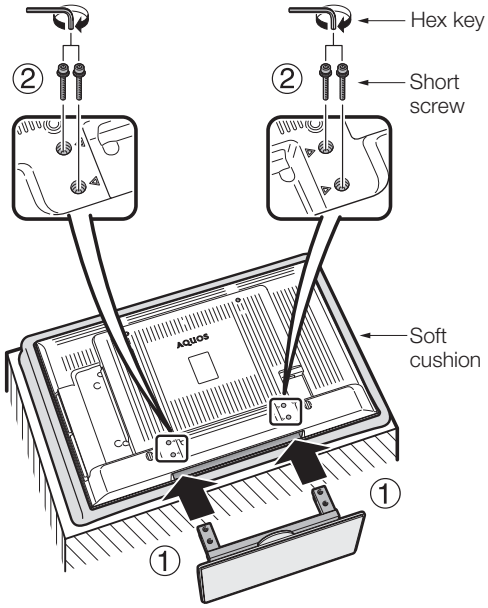


LC-46D65H



3 ① Insert the stand into the openings on the bottom of the TV.

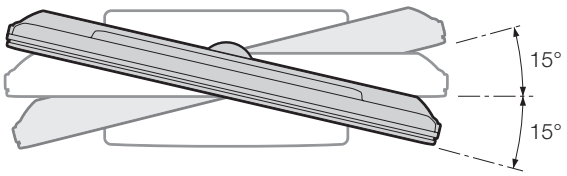
② Insert and tighten the 4 short screws into the 4 holes on the rear of the TV.



NOTE

- To detach the stand, perform the steps in reverse order.

LC-42D65H



CAUTION

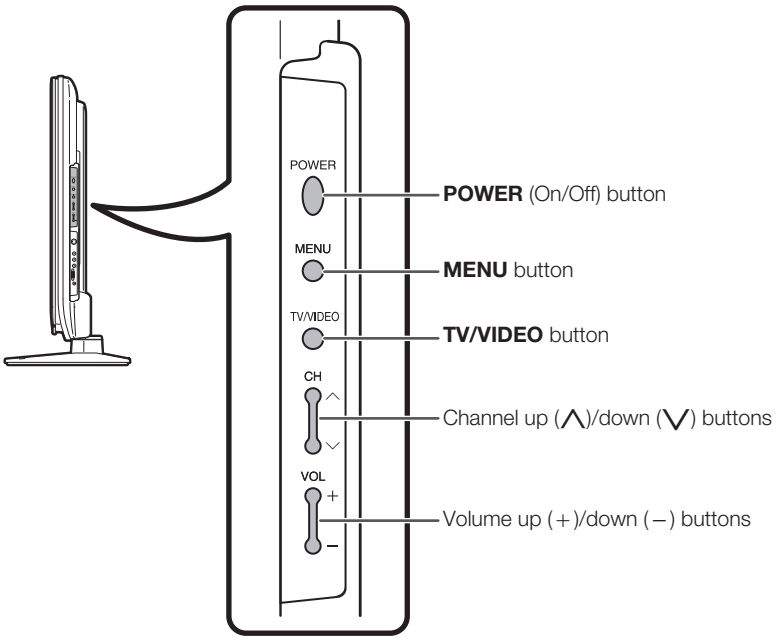
- **Adjust the screen with both hands. Put one hand on the TV and rotate the screen while steadying the stand with your other hand.**
  The TV can be rotated up to 15 degrees to the right or left.

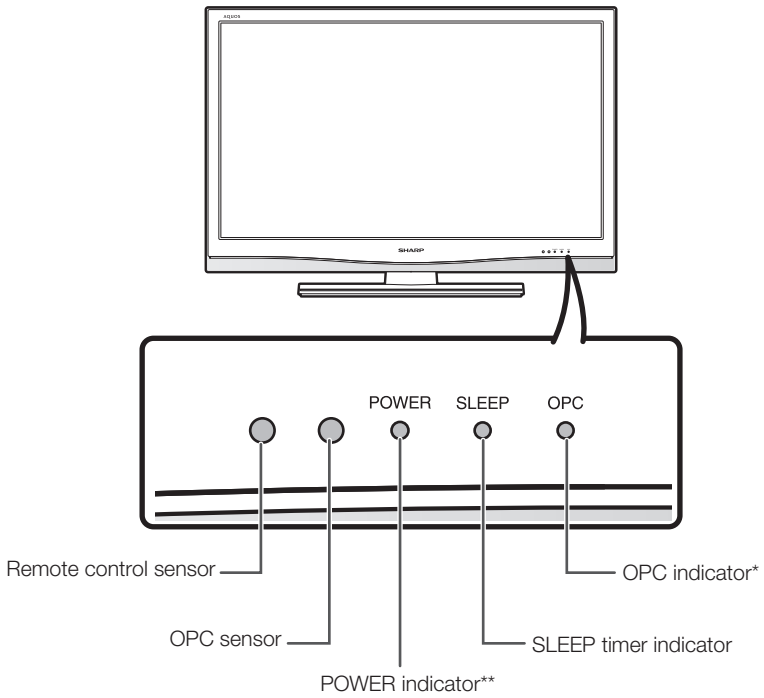
NOTE

- Angle adjustment is not available with the LC-46D65H.

Part names

TV (Front/Side)

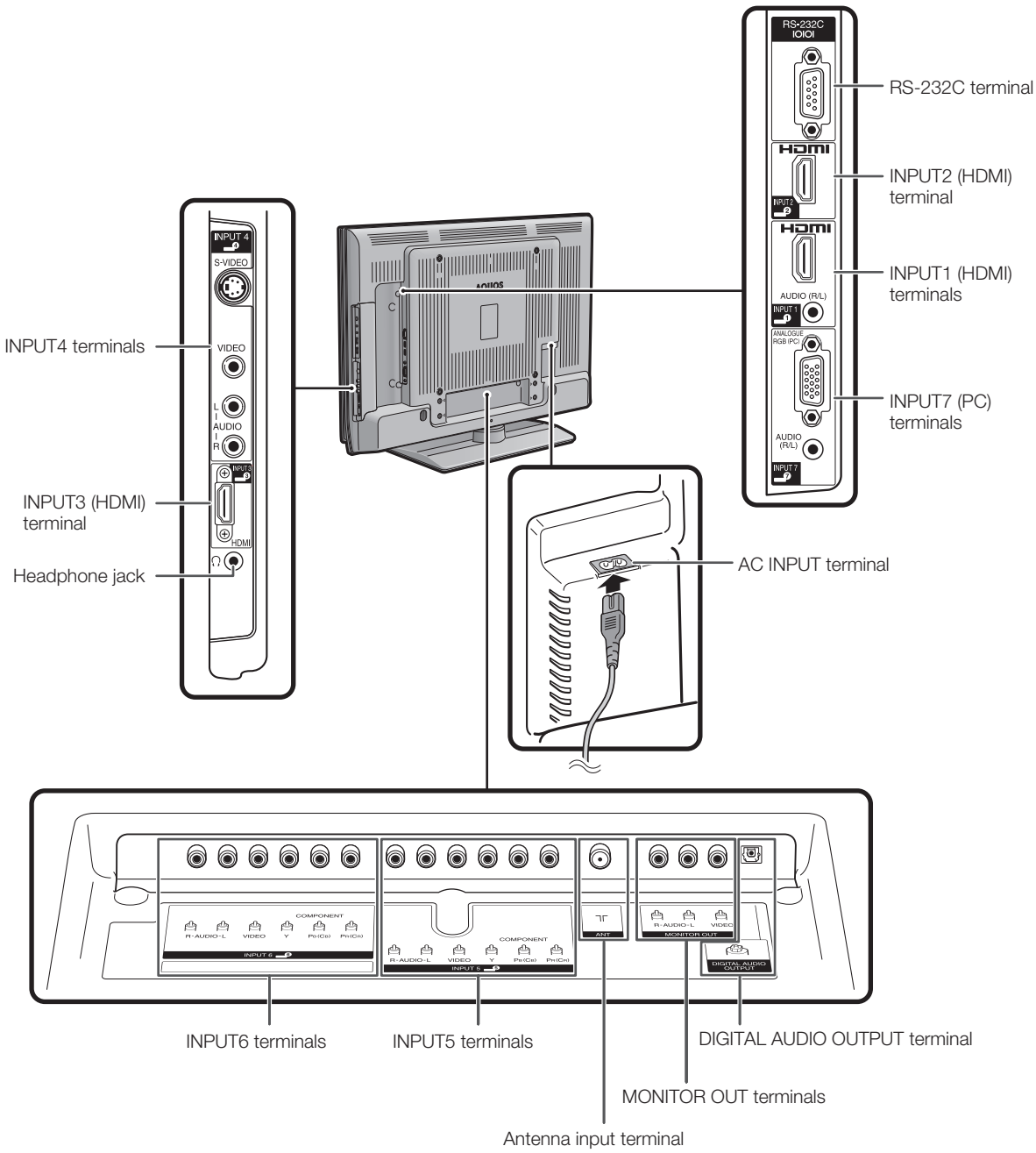




*OPC: Optical Picture Control (See page 33.)
** See page 14 for the TV status indicator.

- The illustrations in this operation manual are for explanation purposes and may vary slightly from the actual operations.
- The illustrations used throughout this manual are based on LC-42D65H.

TV (Rear)

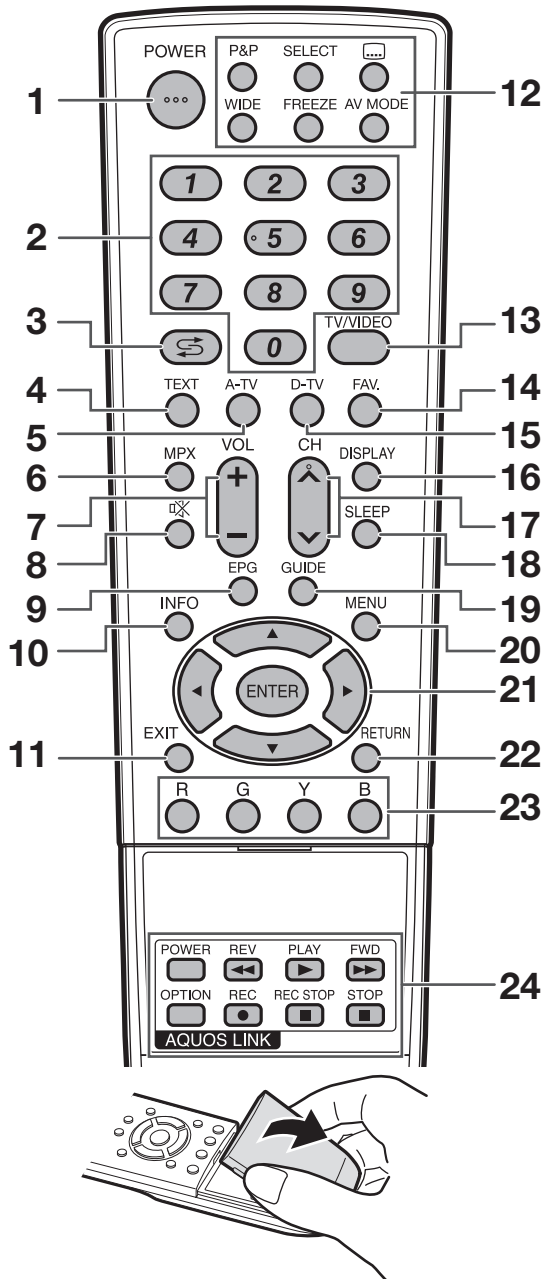


Regarding the headphone jack

- Use headphones with a stereo mini plug (Ø 3.5 mm).
- Be sure to unplug headphones from the jack when they are not in use.
- The speakers do not output volume when headphones are plugged in.
- The “Audio” menu cannot be operated when headphones are plugged in.
- You can set the volume to different levels for each input source.

Volume display when headphones are plugged in

Remote control unit



1 POWER (STANDBY/ON)
To switch the power on and off. (See page 14.)

2 0 – 9
Set the channel. (See page 19.)

3 ⇆ (Flashback)
Press to return to the previous selected channel or external input mode. (See page 25.)

4 TEXT
D-TV only : To display MHEG broadcasts. (See page 47.)

5 A-TV
Press to access ANALOGUE mode. (See page 37.)

6 MPX
Select the sound multiplex mode. (See page 26 and 46.)

7 VOL + /VOL –
Set the volume. (See page 19.)

8 (Mute)
Mute the sound. (See page 25.)

9 EPG
DTV only : To display EPG (Electronic Programme Guide) screen. (See page 39 to 40.)

10 INFO
D-TV only : Display the programme information. (See page 41.)

11 EXIT
Return to the default screen.

12 P&P
Set the split-screen picture mode. Press **P&P** again to return to normal view. (See page 24.)

SELECT
To select either screen to be active in split-screen mode. (See page 24.)

(SUBTITLE)
D-TV only : To toggle the subtitle display. (See page 47.)

WIDE
Change the wide image mode. (See pages 31 and 57.)

FREEZE
Freeze a motion picture on the screen. (See page 24.)

AV MODE
Select an audio and video setting. (See page 32.)

13 TV/VIDEO (INPUT SOURCE)
Select an input source. (A-TV, D-TV, INPUT1, INPUT2, INPUT3, INPUT4, INPUT5, INPUT6, INPUT7 (PC)) (See pages 11, 24, 48 to 50, 56.)

14 FAV.
D-TV only : Displays the favourite channel setting. (See page 41.)

15 D-TV
D-TV only : Press to access D-TV mode. (See page 37.)

16 DISPLAY
Display the channel or input information.

17 CH∧/CH∨
TV input mode: Select the channel. (See page 19.)

18 SLEEP
Set the Sleep timer. (See page 28.)

19 GUIDE
D-TV only : Displays the programme list. (See page 41.)

20 MENU
Display the menu screen. (See page 15.)

21 ▲/▼/◀/▶ (Cursor)
Select a desired item on the setting screen.

ENTER
Execute a command.

22 RETURN
MENU mode: Return to the previous menu screen. (See page 15.)

23 Colour (Red/Green/Yellow/Blue)
D-TV only : The coloured buttons are used to select correspondingly to the coloured items in the menu screen. (See page 39 to 40 for details.)

24 AQUOS LINK buttons
If external equipment such as a AQUOS BD Player is connected via HDMI cables and is AQUOS LINK compatible, you can use these AQUOS LINK buttons. (See pages 51 to 55 for details.)

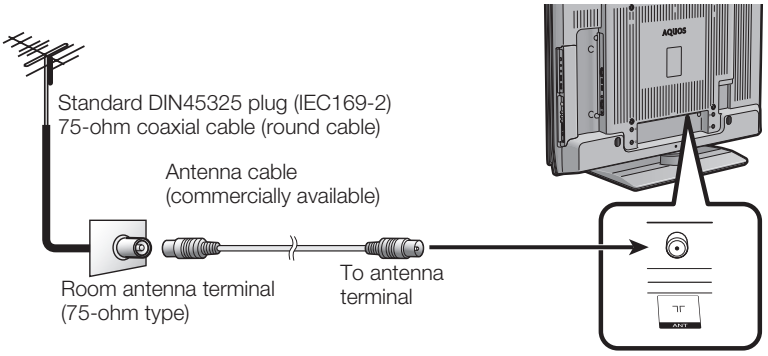
Before turning on the power

Notes on installing the TV

- Avoid direct sunlight and place the TV in a well-ventilated location.
- Place the TV in a level location.
- Do not turn on the power of the TV before connecting the AC cord.

1 **Connecting the antenna cable**

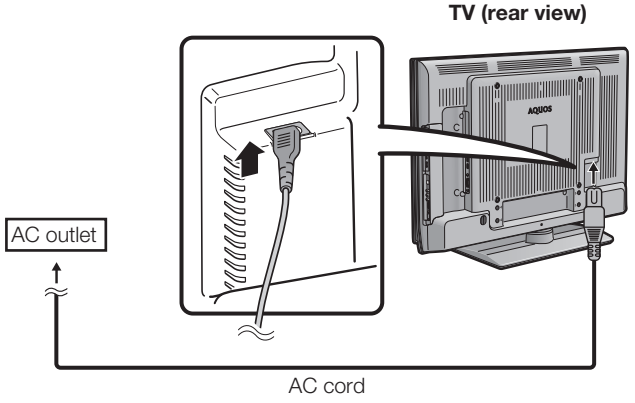
To enjoy a clearer picture, use an outdoor antenna. The following is a brief explanation of the types of connections that are used for coaxial cable.



2 **Connecting external devices**

See pages 11 to 12 for connecting external equipment, such as a VCR and DVD player.

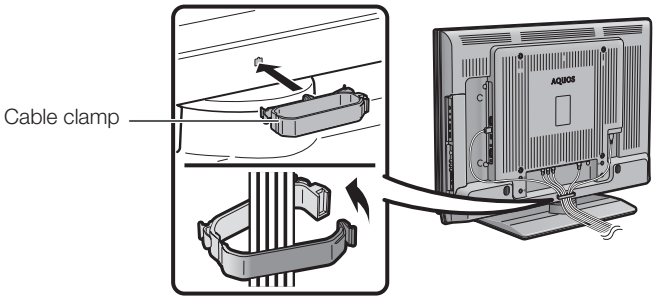
3 **Connecting the AC cord**



- Place the TV close to the AC outlet, and keep the power plug within reach.
- Disconnect the AC cord from the AC outlet if the TV will not be used for a long period of time.

4 **Bundling the cables**

Insert the cable clamp in the hole on the TV as shown.



CAUTION

- **TO PREVENT RISK OF ELECTRIC SHOCK, DO NOT TOUCH UN-INSULATED PARTS OF ANY CABLES WITH THE AC CORD CONNECTED.**

Connecting external devices

You can connect many types of external equipment to your TV, like a VCR, game console, camcorder, DVD player, Digital TV Decoder (Set Top Box) and PC. To view external source images, select the input source from **TV/VIDEO** on the remote control unit or **TV/VIDEO** on the TV.

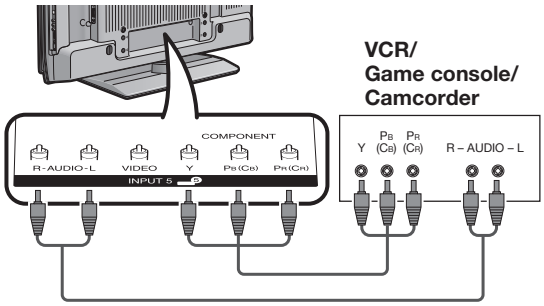
CAUTION

- To protect all equipment, always turn off the TV before connecting to a VCR, game console, camcorder, DVD player, Digital TV Decoder (Set Top Box), PC or other external equipment.
- Refer to the relevant operation manual (VCR, DVD player, etc.) carefully before making connections.

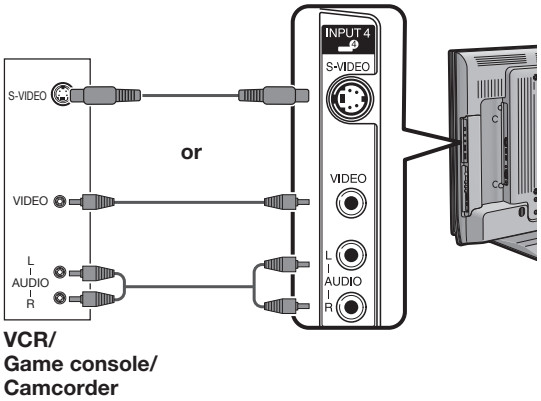
Connecting a VCR, game console or camcorder

A VCR, game console, camcorder and some other audiovisual equipment can be conveniently connected using the INPUT4 or INPUT5/INPUT6 terminals.

When using component cable (commercially available)



When using composite cable or S-VIDEO cable (commercially available)



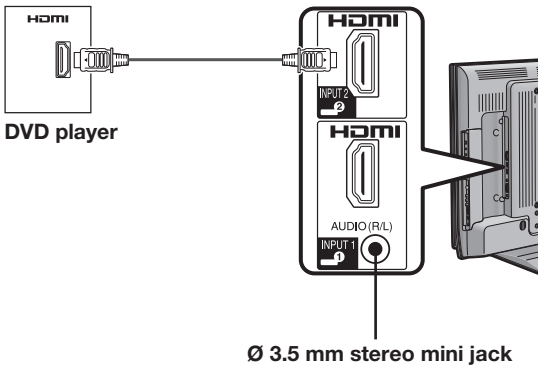
Connecting a DVD player

You can use the INPUT1/INPUT2/INPUT3 (HDMI), INPUT4 or INPUT5/INPUT6 terminals when connecting to a DVD player and other audiovisual equipment.

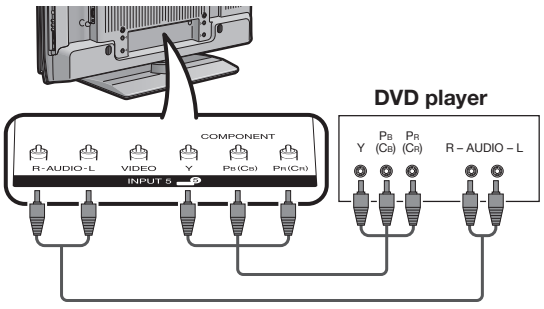
NOTE

- When using a DVI-HDMI conversion adaptor, input the Audio Signal from the AUDIO terminal of INPUT1. (See page 48.)

When using HDMI cable (commercially available)



When using component cable (commercially available)



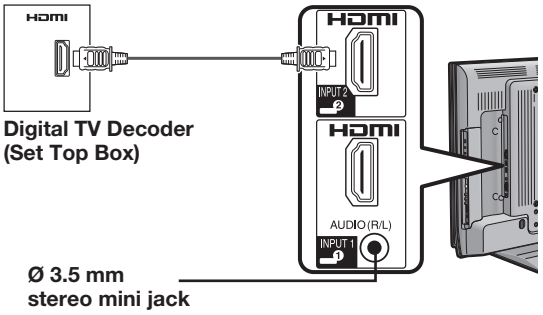
Connecting a Digital TV Decoder (Set Top Box)

You can use the INPUT1/INPUT2/ INPUT3 (HDMI) or INPUT5/INPUT6 terminals when connecting to a Digital TV Decoder (Set Top Box) and other audiovisual equipment.

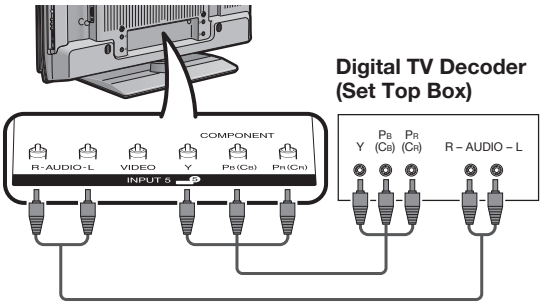
NOTE

- When using a DVI-HDMI conversion adaptor, input the Audio Signal from the AUDIO terminal of INPUT1. (See page 48.)

When using HDMI cable (commercially available)

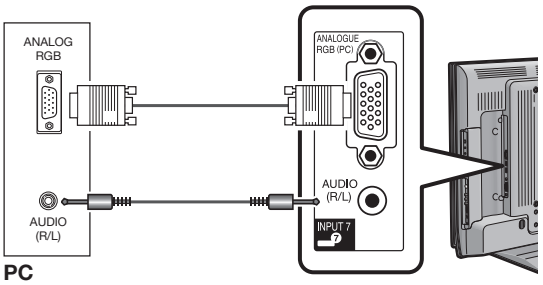


When using component cable (commercially available)



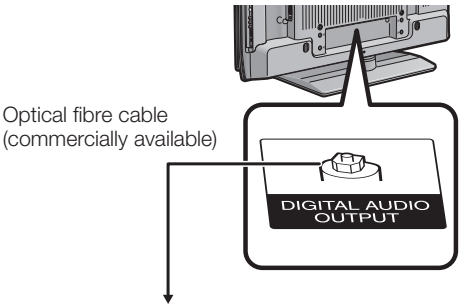
Connecting a PC

You can use the INPUT7 (PC) terminal when connecting to a PC. (See page 56.)



Using Digital Audio Output

It is possible to output audio through the DIGITAL AUDIO OUTPUT terminal. PCM audio outputs from the terminal.



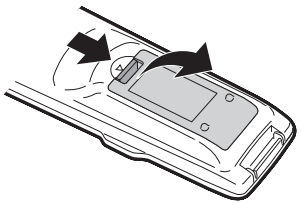
NOTE

- The DIGITAL AUDIO OUTPUT terminal usually outputs the same audio from the speakers. (The audio of the content you are viewing is output from the terminal.)
- The DIGITAL AUDIO OUTPUT terminal does not output some signals, depending on devices and software.

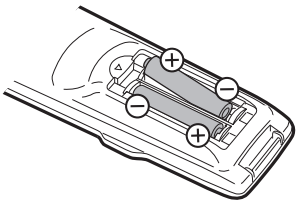
Inserting the batteries

Before using the TV for the first time, insert two “AAA” size batteries (supplied). When the batteries become depleted and the remote control fails to operate, replace the batteries with new “AAA” size batteries.

1 Open the battery cover.

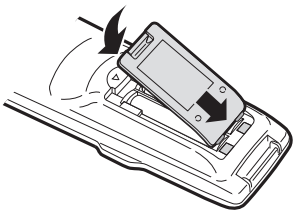


2 Insert the two supplied “AAA” size batteries.



- Place batteries with their terminals corresponding to the (+) and (–) indications in the battery compartment.

3 Close the battery cover.



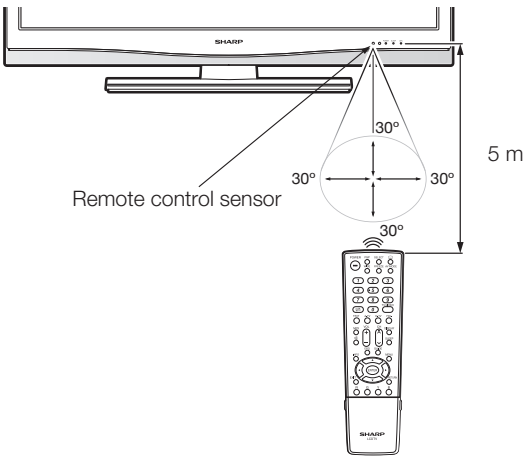
CAUTION

Improper use of batteries can result in chemical leakage or explosion. Be sure to follow the instructions below.

- Do not mix batteries of different types. Different types of batteries have different characteristics.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries or cause chemical leakage in old batteries.
- Remove batteries as soon as they have worn out. Chemicals that leak from batteries can cause a rash. If you find any chemical leakage, wipe thoroughly with a cloth.
- The batteries supplied with this product may have a shorter life expectancy due to storage conditions.
- If you will not be using the remote control unit for an extended period of time, remove the batteries from it.

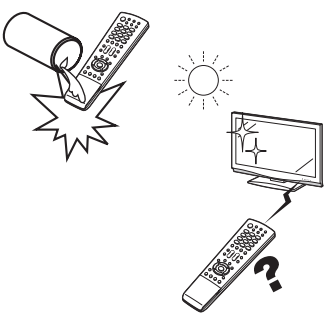
Using the remote control unit

Use the remote control unit by pointing it towards the remote sensor window.
Objects between the remote control unit and sensor window may prevent proper operation.



Cautions regarding the remote control unit

- Do not subject the remote control unit to shock.
  In addition, do not soak the remote control unit with liquids or place it in an area with high humidity.
- Do not install or place the remote control unit under direct sunlight.
  The heat may cause deformation of the unit.
- The remote control unit may not work properly if the remote sensor window of the TV is under direct sunlight or strong lighting. In such cases, change the angle of the lighting or TV, or operate the remote control unit closer to the remote sensor window.

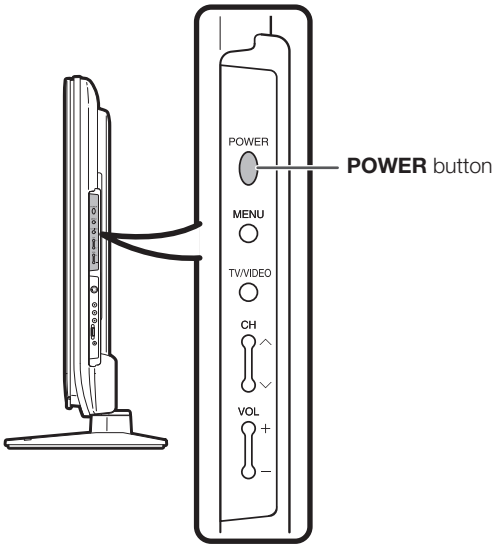


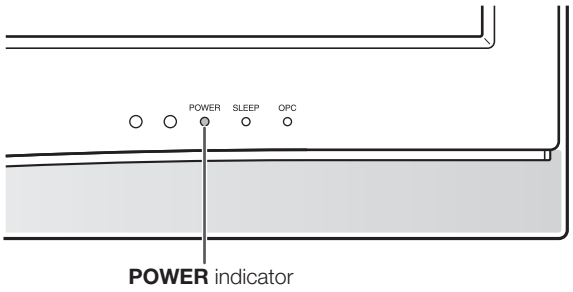
Turning the TV on/off

Turning on the power

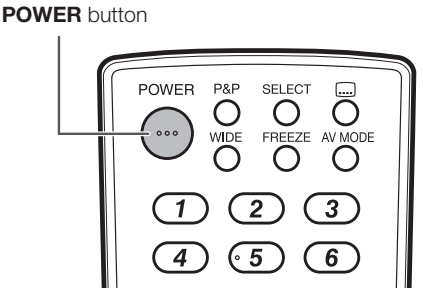
Press **POWER** on the TV.

- POWER indicator (Green): The TV is on. (After a few seconds, an image appears with sound.)
- After turning the power "ON" by pressing **POWER** on the TV, you can turn the power ON/OFF by pressing **POWER** on the remote control.





Turning off the power



Press **POWER** on the remote control.

- The TV enters standby mode and the image on the screen disappears.
- The POWER indicator on the TV changes from green to red.

Press **POWER** on the TV.

- The POWER indicator on the TV turns off.
- When the TV is turned off by **POWER** on the TV, you cannot turn on the power by pressing **POWER** on the remote control.

POWER indicator

Light off	Power off
Lighted (Red)	The TV is in standby mode.
Lighted (Green)	The TV is on.

NOTE

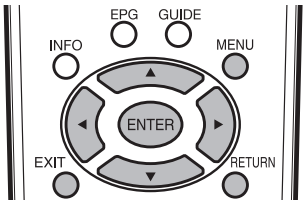
- If you are not going to use this TV for a long period of time, be sure to remove the AC cord from the AC outlet.
- Minor power is consumed when the unit is in standby mode.

About Menu operations

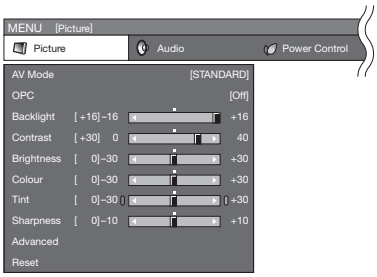
What is Menu?

- You need to bring up the On-Screen Display to perform settings for the TV. The On-Screen Display for the settings is called “Menu”.
- The Menu enables various settings and adjustments. (See pages 16 and 17.)
- The Menu can be operated with the remote control unit.

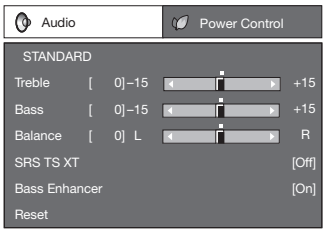
Basic Menu operations



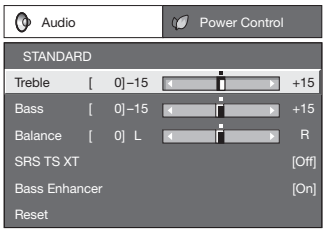
1 Press **MENU** and the MENU screen displays.



2 Press ◀/▶ to select the desired menu, and then press **ENTER**.



3 Press ▲/▼ to select the desired menu item.
Press **ENTER** to proceed if necessary.

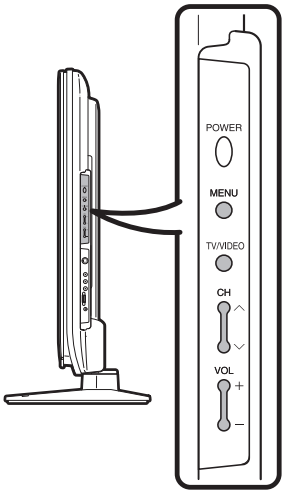


4 Press ▲/▼ or ◀/▶ to select the desired item or adjust the item to the desired level. Press **ENTER** if necessary.

5 Press **EXIT** or **MENU** to exit the MENU.
Press **RETURN** as necessary to return to the previous MENUs.

■ Using the control panel of the TV

You can also operate the Menu using the control panel of the TV.
Button operations on the control panel correspond to the ones on the remote control as shown below.



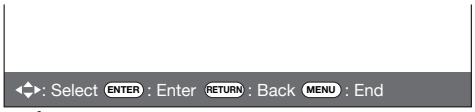
TV control panel buttons	Remote control buttons
TV/VIDEO	ENTER
CH ∧	▲
CH ∨	▼
VOL +	▶
VOL –	◀

NOTE

- Menu options differ in the selected input modes, but the operating procedures are the same.
- The screens in the operation manual are for explanation purposes (some are enlarged, others cropped) and may vary slightly from the actual screens.

About Guide Display

The Guide Display at the bottom of the screen shows operations with an On-Screen Display.



The bar above is an operational guide for the remote control. The bar will change in accordance with each menu setting screen.

A-TV (Analogue TV)/D-TV (Digital TV)/AV input mode menu items

List of A-TV (Analogue TV)/D-TV (Digital TV)/AV menu items to help you with operations

Picture

AV Mode ..... Page 32
OPC ..... Page 33
Backlight ..... Page 33
Contrast ..... Page 33
Brightness ..... Page 33
Colour ..... Page 33
Tint ..... Page 33
Sharpness ..... Page 33
Advanced
- Colour Temp. ..... Page 34
- Film Mode ..... Page 34
- Black ..... Page 34
- 3D-Y/C ..... Page 34
- Monochrome ..... Page 34
- DNR ..... Page 34

Reset ..... Page 33

Audio

AV Mode ..... Page 32
Treble ..... Page 36
Bass ..... Page 36
Balance ..... Page 36
SRS TS XT ..... Page 36
Bass Enhancer ..... Page 36
Reset ..... Page 36

Power Control

No Signal Off ..... Page 28
No Operation Off ..... Page 28
Ecology ..... Page 29

Setup

Auto Installation ..... Page 18
Programme Setup ..... Pages 20-23
Child Lock ..... Page 27
Input Skip ..... Page 50
Input Label ..... Page 50
Position ..... Page 35
HDMI Auto View ..... Page 48
WSS ..... Page 30
4:3 Mode ..... Page 30
Standby Mode ..... Page 26
Language ..... Page 19
Identification ..... Page 64
Reset ..... Page 64

Option

AQUOS LINK Setup ..... Page 51
D-TV Menu ..... Page 38
Input Select
- INPUT4 ..... Page 49
- INPUT5 ..... Page 49
- INPUT6 ..... Page 49

HDMI Audio Select ..... Page 48
Output Volume Select ..... Page 36
Audio Only ..... Page 25
Game Play Time ..... Page 35
Colour System ..... Page 50

NOTE

- Some menu items may not be displayed depending on the selected input source.

PC input mode menu items

List of PC menu items to help you with operations

Picture

AV Mode ..... Page 32
OPC ..... Page 33
Backlight ..... Page 33
Contrast ..... Page 33
Brightness ..... Page 33
Advanced
  Colour Temp. ..... Page 34
Reset ..... Page 33

Audio

AV Mode ..... Page 32
Treble ..... Page 36
Bass ..... Page 36
Balance ..... Page 36
SRS TS XT ..... Page 36
Bass Enhancer ..... Page 36
Reset ..... Page 36

Power Control

Power Management ..... Page 29
No Operation Off ..... Page 28
Ecology ..... Page 29

Setup

Input Skip ..... Page 50
Input Label ..... Page 50
Standby Mode ..... Page 26
Language ..... Page 19
Reset ..... Page 64

Option

AQUOS LINK Setup ..... Page 51
Input Select
  INPUT4 ..... Page 49
  INPUT5 ..... Page 49
  INPUT6 ..... Page 49
Output Volume Select ..... Page 36
Audio Only ..... Page 25
Fine Sync.
  Input Signal ..... Page 59
  Auto Sync. ..... Page 58
  H-Position ..... Page 58
  V-Position ..... Page 58
  Clock ..... Page 58
  Phase ..... Page 58
  Reset ..... Page 58

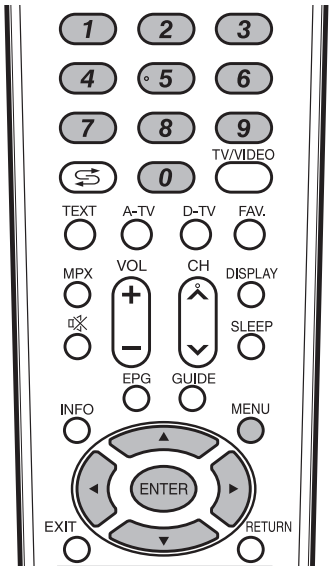
NOTE

- Some menu items may not be displayed depending on the selected input source.

Watching TV

Setting channels automatically

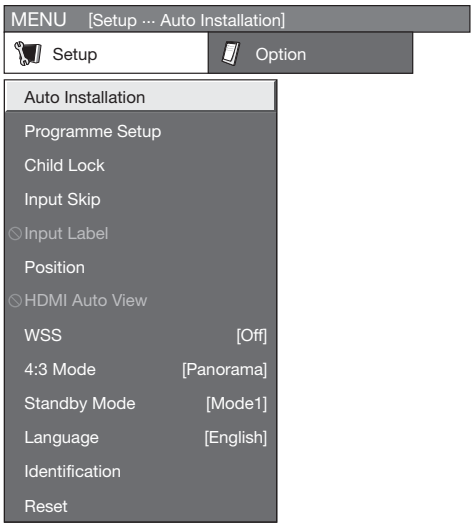
You can run auto installation again, even after setting up the preset channels.



1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Auto Installation”, and then press **ENTER**.



4 If you have already set the password, enter it here.

- See page 27 for setting a password.

– – – –

5 Press ◀/▶ to select “Yes”, and then press **ENTER**.

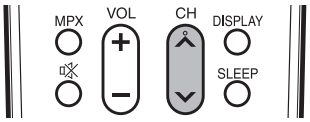
6 Press ▲/▼ to select the desired language listed on the screen, and then press **ENTER**.
Press ▲/▼ to select the desired sound system, and then press **ENTER**.
You do not need to do anything during the auto search.
Press **MENU** to exit.

Selecting programmes

You can change channels in several ways.

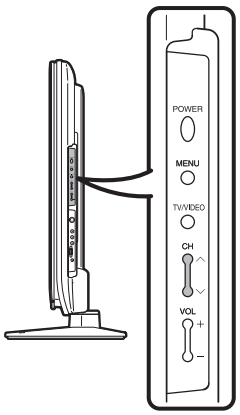
Using CH∧/∨ on the remote control unit

- Press **CH∧** to increase the channel number.
- Press **CH∨** to decrease the channel number.



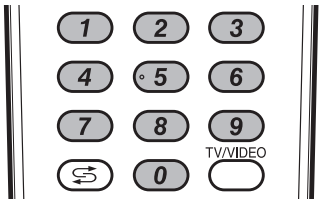
NOTE

- **CH∧/∨** on the TV operates the same as **CH∧/∨** on the remote control unit.



Using 0 — 9 on the remote control unit

Select the channels directly by pressing buttons **0** to **9**.



EXAMPLE

To select a 1-digit channel (e.g. channel 2):

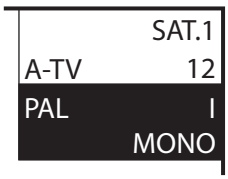
- Press **0**, followed by **2**.

To select a 2-digit channel (e.g. channel 12):

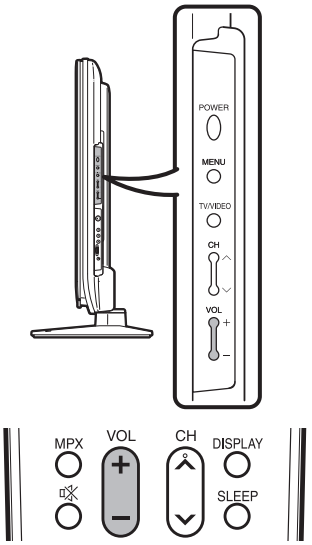
- Press **1**, followed by **2**.

Channel display

(Example)



Adjusting the volume



Changing the volume

You can change the volume on the TV or on the remote control unit.

- To increase the volume, press **VOL +**.
- To decrease the volume, press **VOL –**.

NOTE

- "A-TV", "D-TV", "INPUT1", "INPUT2", "INPUT3", "INPUT4", "INPUT5", "INPUT6" and "INPUT7" (PC) modes can store volume adjustment values separately.

Menu language settings

You can also select a language from setup menu. Select from among 4 languages: English, Simplified Chinese, Traditional Chinese and Arabic.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select "Setup".

3 Press ▲/▼ to select "Language", and then press **ENTER**.

4 Press ▲/▼ to select the desired language listed on the screen, and then press **ENTER**.

NOTE

- In D-TV (Digital TV) mode, Arabic language cannot be selected.

Setting channels to your preference

You can run the auto search procedure again at any time by accessing the Setup menu and Programme Setup. Channels can be tuned automatically or manually.

Auto search

You can also automatically search by performing the procedure below. This is the same function as programme auto search in auto installation.

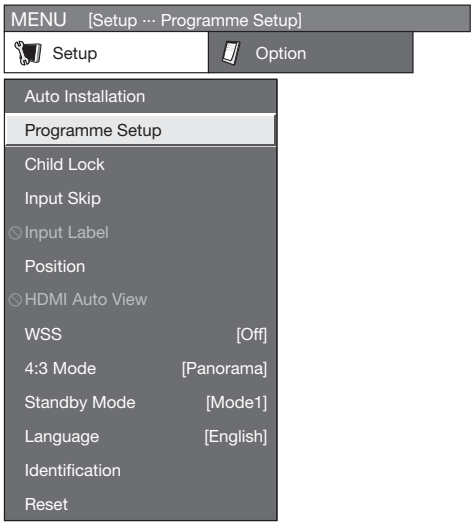
1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Programme Setup”, and then press **ENTER**.

If you have already set the password, enter it here.

- See page 27 for setting a password.



4 Press ▲/▼ to select “Auto Search”, and then press **ENTER**.

5 Press ◀/▶ to select “Yes”, and then press **ENTER**.

Press ▲/▼ to select the desired sound system, and then press **ENTER**.

Press **MENU** to exit.

Manual setting for each channel

You can set some channel items manually. They are Search, Fine (TV frequency), Colour System, Sound System, Label (Network name), Skip and Lock (Child Lock).

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Programme Setup”, and then press **ENTER**.

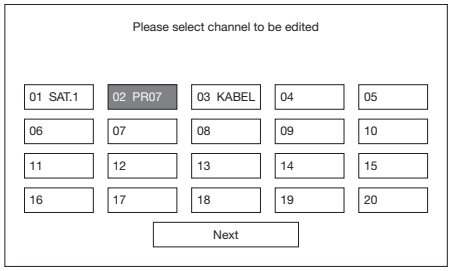
If you have already set the password, enter it here.

- See page 27 for setting a password.

4 Press ▲/▼ to select “Manual Adjust”, and then press **ENTER**.

5 Press ◀/▶ to select “Yes”, and then press **ENTER**.

Programme Setup “Manual Adjust” menu



You can select one of the following settings.

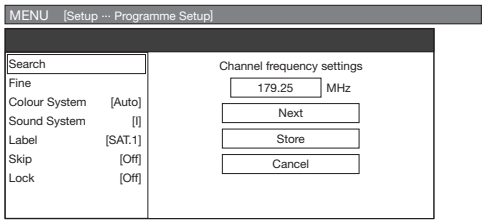
① **Search** (See page 21.)
② **Fine** (See page 21.)
③ **Colour System** (See page 21.)
④ **Sound System** (See page 21.)
⑤ **Label** (See page 22.)
⑥ **Skip** (See page 22.)
⑦ **Lock** (See page 22.)

Manual setting for each channel (continued)

Search tuning

1 Press ▲/▼/◀/▶ to select the channel you want to edit, and then press **ENTER**.
- The selected channel information displays.

2 Press ▲/▼ to select “Search”, and then press **ENTER**.



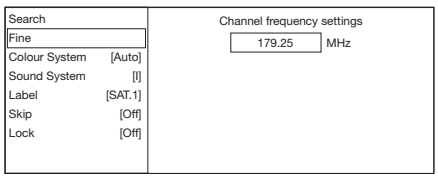
3 Press ▲/▼ to select item and press **ENTER**.
- **Next**: Search the next channel.
- **Store**: Memorise the current display channel.
- **Cancel**: Return to the previous screen. (The search result will not be stored.)

Fine tuning

1 Press ▲/▼/◀/▶ to select the channel you want to edit, and then press **ENTER**.
- The selected channel information displays.

2 Press ▲/▼ to select “Fine”, and then press **ENTER**.

3 Press ◀/▶ to adjust the frequency, and then press **ENTER**.
- Adjust while checking the background picture as a reference.



- Instead of the method above, you can also set by directly entering the frequency number of the channel with **0** — **9**.
- When setting a frequency on the “Fine” screen, the last figure of the frequency needs to be “0” or “5”.

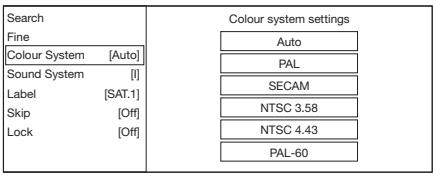
EXAMPLE
- 179.25 MHz: Press **1** → **7** → **9** → **2** → **5**.
- 49.25 MHz: Press **4** → **9** → **2** → **5** → **ENTER**.

Colour System

1 Press ▲/▼/◀/▶ to select the channel you want to edit, and then press **ENTER**.
- The selected channel information displays.

2 Press ▲/▼ to select “Colour System” and then press **ENTER**.
- Receivable colour systems are listed.

Colour System menu



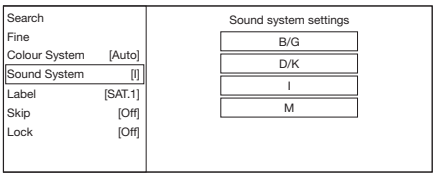
3 Press ▲/▼ to select the optimum colour system, and then press **ENTER**.

Sound System (Broadcasting system)

1 Press ▲/▼/◀/▶ to select the channel you want to edit, and then press **ENTER**.
- The selected channel information displays.

2 Press ▲/▼ to select “Sound System”, and then press **ENTER**.
- Receivable sound systems (Broadcasting systems) are listed.

Sound System menu



3 Press ▲/▼ to select the optimum sound system, and then press **ENTER**.

NOTE
- Check the sound system if the sound output were not correct.

Manual setting for each channel (continued)

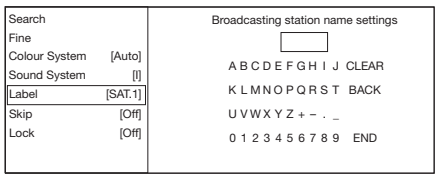
Labelling channels

When a TV channel sends its Network Name, the auto installation detects the information and assigns a name to it. However, you can change individual channel names.

1 Press ▲/▼/◀/▶ to select the channel you want to edit, and then press **ENTER**.
- The selected channel information displays.

2 Press ▲/▼ to select “Label”, and then press **ENTER**.
- The alphabet and numbers are listed.

Labelling menu


Search
Fine
Colour System [Auto]
Sound System [I]
Label [SAT.1]
Skip [Off]
Lock [Off]
Broadcasting station name settings
A B C D E F G H I J CLEAR
K L M N O P Q R S T BACK
U V W X Y Z + − . _
0 1 2 3 4 5 6 7 8 9 END

3 Press ▲/▼/◀/▶ to select each character of the new name for the channel, and then press **ENTER**.

4 Repeat until the name is fully spelt out.
- The name can be 5 characters or less.
- When you want to set a channel name of less than 5 characters, select “END”.

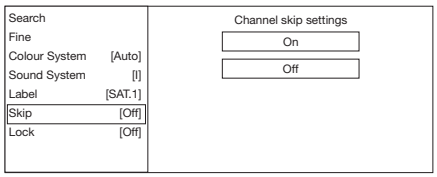
Skipping channels

Channels with “Skip” set to “On” are passed over when using **CH**∧/∨ even if selected while watching the image from the TV.

1 Press ▲/▼/◀/▶ to select the channel you want to edit, and then press **ENTER**.
- The selected channel information will be displayed.

2 Press ▲/▼ to select “Skip”, and then press **ENTER**.
- Skip menu displays.

Skip menu



3 Press ▲/▼ to set “Skip” to “On”, and then press **ENTER**.

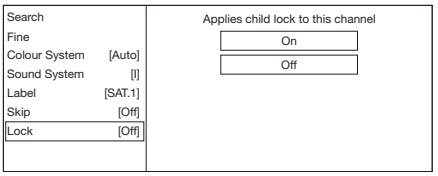
Setting the child lock

You can block the viewing of any channel.

1 Press ▲/▼/◀/▶ to select the channel you want to edit, and then press **ENTER**.
- The selected channel information will be displayed.

2 Press ▲/▼ to select “Lock”, and then press **ENTER**.
- Child lock menu will be displayed.

Lock menu



3 Press ▲/▼ to set “Lock” to “On”, and then press **ENTER**.

NOTE

- See page 27 for setting a password.
- If “Lock” is set to “On” for a channel, “Child lock has been activated” is displayed when you select the channel, and the image and sound of the channel is blocked.
- When pressing **ENTER** while “Child lock has been activated” is displayed, password input menu will be displayed. Inputting the correct password lifts the child lock temporarily until the power is turned off.

Sorting programmes

Channel positions can be sorted freely.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Programme Setup”, and then press **ENTER**.
If you already set the password, enter it here.
• See page 27 for setting a password.

4 Press ▲/▼ to select “Sort”, and then press **ENTER**.

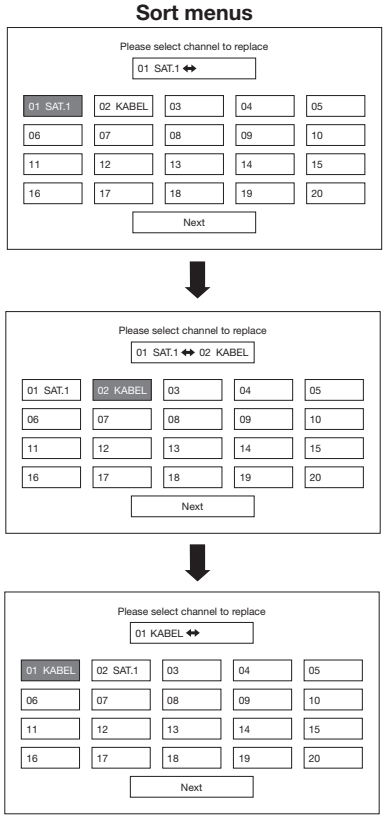
5 Press ◀/▶ to select “Yes”, and then press **ENTER**.

6 Press ▲/▼/◀/▶ to select the channel you want to move, and then press **ENTER**.

7 Move it to the desired position by pressing ▲/▼/◀/▶, and then press **ENTER**.

8 Repeat the steps 6 and 7 until all desired channels are sorted.

Sort menus


Please select channel to replace
01 SAT.1 ↔
01 SAT.1 02 KABEL 03 04 05
06 07 08 09 10
11 12 13 14 15
16 17 18 19 20
Next
Please select channel to replace
01 SAT.1 ↔ 02 KABEL
01 SAT.1 02 KABEL 03 04 05
06 07 08 09 10
11 12 13 14 15
16 17 18 19 20
Next
Please select channel to replace
01 KABEL ↔
01 KABEL 02 SAT.1 03 04 05
06 07 08 09 10
11 12 13 14 15
16 17 18 19 20
Next

Erasing programmes

The individual programme can be erased.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Programme Setup”, and then press **ENTER**.
If you already set the password, enter it here.
• See page 27 for setting a password.

4 Press ▲/▼ to select “Erase Programme”, and then press **ENTER**.

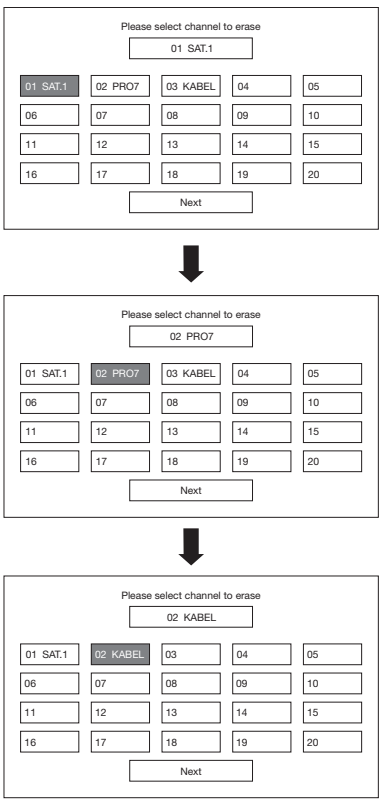
5 Press ◀/▶ to select “Yes”, and then press **ENTER**.

6 Press ▲/▼/◀/▶ to select the channel you want to erase, and then press **ENTER**.

7 Press **ENTER** to erase the channel.
All the subsequent programmes move up.

8 Repeat the steps 6 and 7 until all desired channels are erased.

Erase programme menus



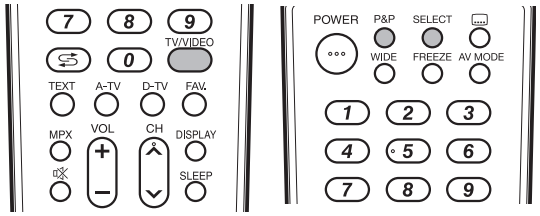
Useful viewing functions

Split-screen viewing

This function is conveniently used when, for instance, watching cooking programmes and taking notes.

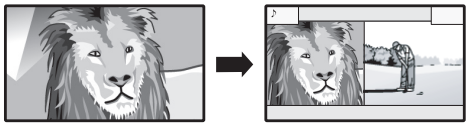
Split-screen

You can display two pictures except when inputting from the RS-232C or PC INPUT terminal.



1 Press **P&P**.

- Split-screen displays and a selected input source image displays.



2 Press **SELECT** to set either screen to be active.

- "♪" displays on the active screen, which has sound output.

3 Press **TV/VIDEO** to select another input source on the active screen.

- A selected image displays.

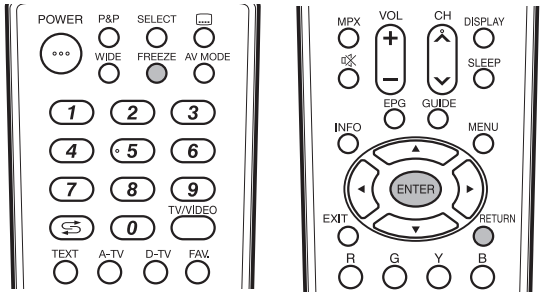
4 Press **P&P** to exit split-screen.

NOTE

- This function does not work under the following input conditions:
  ① Two pictures from the same source (e.g. INPUT1 and INPUT1),
  ② Two pictures with different vertical frequency (e.g. PAL and PAL-60, PAL (50 Hz) and NTSC (60 Hz))
- When you press P&P, the current input is moved to the left side screen display, and the other input appears on the right side screen display.
  When you cannot acquire split-screen capability, perform the operation below.
  — Select another input whose vertical frequency is same as one of the current inputs (e.g. PAL and PAL).
- When this function is not available, "No dual screen display available." will display.
- Split-screen function is only applicable with combination of "HDMI input" and "other type inputs (except PC input)" or "HDMI input" and "TV input".

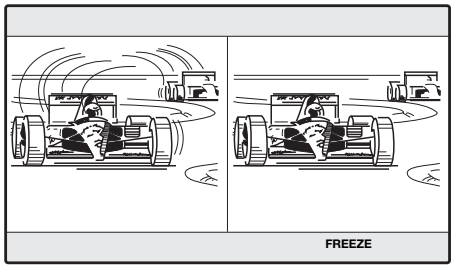
Picture and still image

You can freeze a motion picture on the Display.



1 Press **FREEZE**.

- A moving image displays on the left screen and a still image displays on the right screen. The still image is one frame captured from a moving image at the moment you press **FREEZE**.



(Example)

2 Reshoot the still image by pressing **ENTER**.

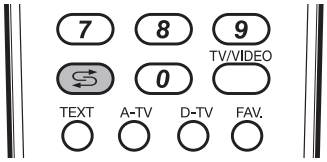
- Each time you press **ENTER**, the image on the right screen updates.

3 Press **RETURN** to exit still image.

NOTE

- The still image automatically goes out after 30 minutes.

Returning to the previously selected channel



Press ⇆ to switch the currently tuned channel to the previously tuned channel.
Press ⇆ again to switch back to the currently tuned channel.

Press ⇆ to toggle between the currently selected input source and the previously selected one.

Muting the audio temporarily

Using Mute (🔇) on the remote control unit

🔇 mutes the current sound output.

1 Press 🔇.

- The sound is silenced.
- "🔇" is displayed while the mute function is on.

Mute

2 Press 🔇 again within 30 minutes to cancel the mute.

- Before 30 minutes, the volume level returns to the previous setting.

NOTE

- **Mute will be cancelled after 30 minutes. However, the TV will not suddenly output loud sound as the volume level will be set to 0 automatically. Increase the volume level by pressing VOL+.**

Outputting only audio

When listening to music from a music programme, you can set the display off and enjoy audio only.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select "Option".

3 Press ▲/▼ to select "Audio Only", and then press **ENTER**.

4 Press ◀/▶ to select "On", and then press **ENTER**.

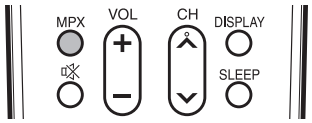
Selected item	Description
On	Audio is output without screen image.
Off	Both screen images and audio are output.

NOTE

- When you make operations that change the picture on the TV such as by changing the input source, the Audio Only function is set to "Off".

Switching the analogue audio format

You can switch between multiple audio modes when watching a multiple audio or stereo broadcast programme.



In the NICAM TV broadcasts

When receiving a stereo signal

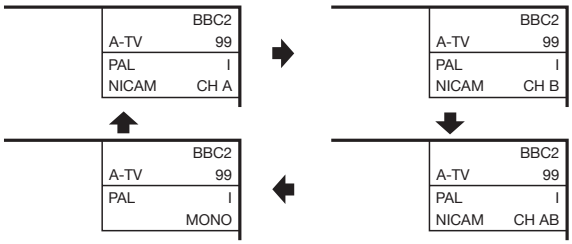
Each time you press **MPX**, the mode switches between NICAM STEREO and MONO.

Stereo mode

When receiving a bilingual signal

Each time you press **MPX**, the mode switches among NICAM CH A, NICAM CH B, NICAM CH AB and MONO.

Bilingual mode



When receiving a monaural signal

Each time you press **MPX**, the mode switches between NICAM MONO and MONO.

Monaural mode

In the TV mode of A2 TV broadcasts

When receiving a stereo signal

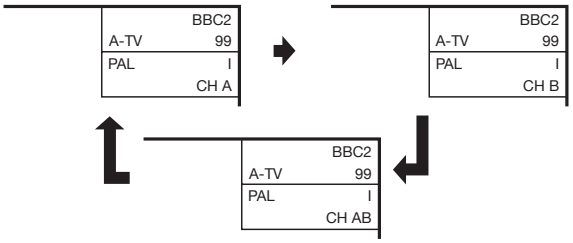
Each time you press **MPX**, the mode switches between STEREO and MONO.

Stereo mode

When receiving a bilingual signal

Each time you press **MPX**, the mode switches among CH A, CH B and CH AB.

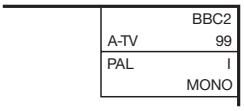
Bilingual mode



When receiving a monaural signal

When you press **MPX**, "MONO" displays.

Monaural mode



NOTE

- "BBC2" and "99" are tentative network name and channel.

Reducing the start-up time

You can reduce the TV's start-up time after the turning on the power with the remote control unit.

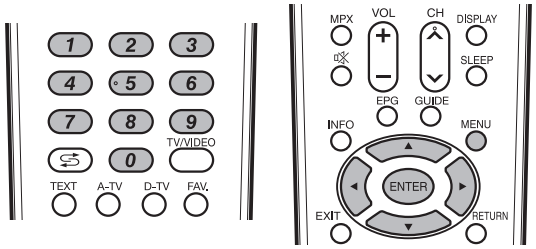
1. Press **MENU** and the MENU screen displays.
2. Press ◀/▶ to select "Setup".
3. Press ▲/▼ to select "Standby Mode", and then press **ENTER**.
4. Press ◀/▶ to select "Mode1" or "Mode2", and then press **ENTER**.

Selected item	Description
Mode1	Starting the TV is quick from standby.
Mode2	Power consumption is small during standby.

5. Press **MENU** to exit.

Password setting for the child lock (for A-TV (Analogue TV)/D-TV (Digital TV) input mode)

Allows you to use a password to protect certain settings from being accidentally changed.



Setting a password

Register a 4-digit password number to use the Child Lock function.

1 Press **MENU** and the MENU screen displays.

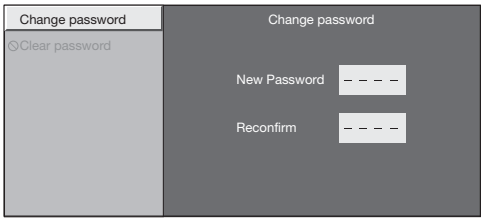
2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Child Lock”, and then press **ENTER**.

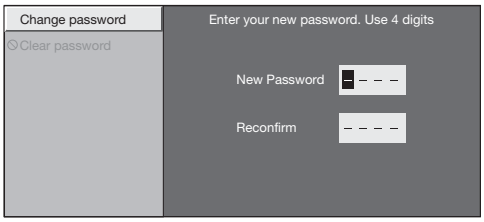
4 If you already set the password, enter it here.

– – – –

5 Press ▲/▼ to select “Change password”, and then press **ENTER**.



6 Enter the 4-digit number as a password using **0 — 9**.



7 Enter the same 4-digit number as in step 6 to confirm.

NOTE

- To view a locked channel (Lock setting in Programme Setup “Manual Adjust” is set to “On”), you must enter a password. (See page 22.) When you select a locked channel, a password prompt message pops up.
- Press **ENTER** to display the password input window.

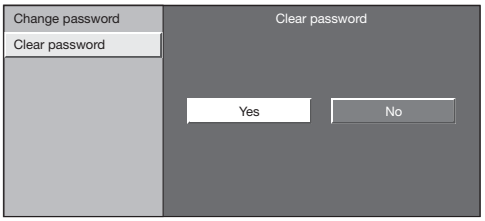
Clearing the password

Allows you to clear your password.

1 Repeat steps 1 to 4 in **Setting a password**.

2 Press ▲/▼ to select “Clear password”, and then press **ENTER**.

3 Press ◀/▶ to select “Yes”, and then press **ENTER**.



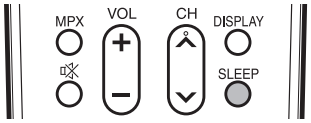
NOTE

- **As a precautionary measure, make a note of your password on the back of this operation manual, cut it out and keep it in a safe place that children cannot reach.**
- This function is only available for A-TV/D-TV input mode.
- To relock a channel which has been temporarily unlocked by inputting the correct password, turn power off and then on again.

Energy conservation settings

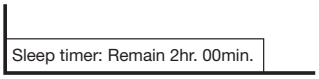
Auto power-off at a designated time

This function is conveniently used when, for instance, going to bed while watching TV.

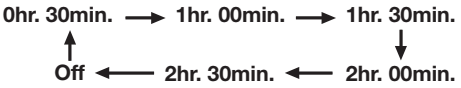


1 Press **SLEEP**.

- Remaining time displays when sleep timer has been set.



2 Each time you press **SLEEP**, the remaining time switches as shown below.



NOTE

- When the time has been set, countdown automatically starts.
- Five minutes before the preset of time expires, the remaining time displays each minute.
- Select “Off” by pressing **SLEEP** to cancel the sleep timer.

Auto power-off after the end of broadcast

You can set the TV to automatically power off in about 15 minutes after the TV goes into a state of receiving no programme signals, such as the end of a broadcast day.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Power Control”.

3 Press ▲/▼ to select “No Signal Off”, and then press **ENTER**.

4 Press ◀/▶ to select “Enable”.

- Five minutes before the power shuts down, the remaining time displays every minute.

NOTE

- “Disable” is the factory preset value.
- When a TV programme finishes, and the TV receives signal input, this function may not operate.
- In D-TV mode, "No Signal Off" cannot be selected.

Auto power-off when there are no operations performed

You can set the TV to automatically power off when no TV operation is performed for more than 3 hours.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Power Control”.

3 Press ▲/▼ to select “No Operation Off”, and then press **ENTER**.

4 Press ▲/▼ to select “30min.” or “3hr.”.

- Five minutes before the power shuts down, the remaining time displays every minute.

NOTE

- “Disable” is the factory preset value.

Power Management

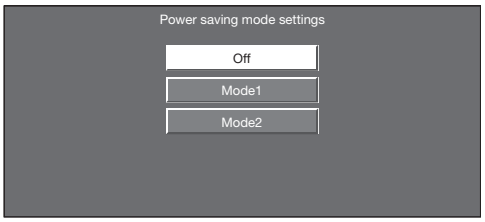
You can set the TV to automatically power off when no image is displayed on PC.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Power Control”.

3 Press ▲/▼ to select “Power Management”, and then press **ENTER**.

4 Press ▲/▼ to select “Mode1” or “Mode2”, and then press **ENTER**.



Selected item	Description
Off	• No power management • Factory preset value.
Mode1	• If no signal inputs for approximately 8 minutes, the power shuts down. • Even if you start using the PC and the signal inputs again, the TV stays off. • The TV turns on again by pressing **POWER**. (See page 14.)
Mode2	• If no signal inputs for approximately 8 seconds, the power shuts down. • When you start using the PC and the signal inputs again, the TV turns on. • The TV turns on again by pressing **POWER**. (See page 14.)

NOTE

- If you turn off the power by disconnecting AC cord when setting “Mode2” in Power Management, the TV may not function properly after turning the power on again. In such case, press **POWER** on the remote control unit.
- Pressing **POWER** on the display will have the same result.

Ecology

When set to “Yes”, the TV activates the following power saving mode.

- “OPC” set to “On” (Page 33)
- “Standby Mode” set to “Mode2” (Page 26)
- “No Signal Off” set to “Enable” (Page 28)
- “No Operation Off” set to “3hr.” (Page 28)
- “Power Management” set to “Mode1” (Page 29)

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Power Control”.

3 Press ▲/▼ to select “Ecology”, and then press **ENTER**.

4 Press ◀/▶ to select “Yes”, and then press **ENTER**.

NOTE

- Ecology mode cannot be deactivated by selecting “No”. Each setting must be changed individually to deactivate Ecology mode.

Picture size settings

Selecting the Wide Screen Signalling (WSS) picture size automatically

WSS allows a television to switch automatically among the different screen formats.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “WSS”, and then press **ENTER**.

4 Press ◀/▶ to select “On” or “Off”, and then press **ENTER**.

NOTE

- Try to set WIDE mode if an image does not switch to the correct screen format. When the broadcast signal contains no WSS information, the function will not work even if enabled.

Selecting the Wide Screen Signalling (WSS) picture size manually

The WSS signal has 4:3 auto-switching that allows you to select between Panorama and Normal.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “4:3 Mode”, and then press **ENTER**.

4 Press ◀/▶ to select “Panorama” or “Normal”, and then press **ENTER**.

WSS signal 4:3 screen

4:3 mode “Panorama”

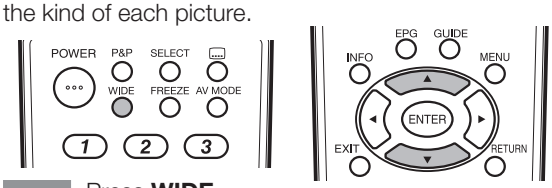
4:3 mode “Normal”

Selected item	Description
Panorama	Wide image without side bars
Normal	Normal range keeping 4:3 or 16:9 aspect ratio

Selecting the picture size manually

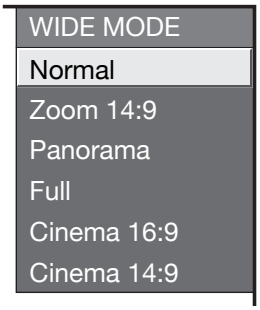
Manual Selection

You can select different picture sizes that account for the kind of each picture.



1 Press **WIDE**.

- The WIDE MODE menu displays.
- The menu lists the wide mode options selectable for the type of video signal currently received.



2 Press **WIDE** or ▲/▼ while the WIDE MODE menu displays on the screen.

- As you toggle down the options, each mode is immediately reflected on the TV.

Auto Selection

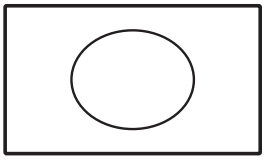
If you set “WSS” and “4:3 Mode” in the Setup menu on page 30, the optimum WIDE mode is automatically chosen for every broadcast containing the WSS information.

“WSS” menu

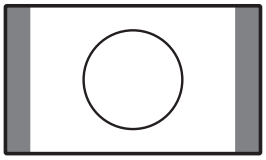
To enable Auto Selection, set “WSS” in the Setup menu to “On”. (See page 30.)

“4:3 Mode” menu

To set the type of the wide screen, select “Panorama” or “Normal” in the 4:3 Mode menu. (See page 30.)



4:3 Mode set to “Panorama”

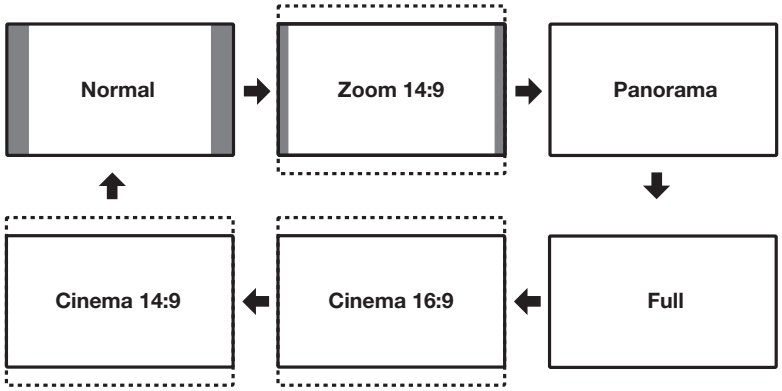


4:3 Mode set to “Normal”

NOTE

- If the broadcast signal contains no WSS information, Auto Selection will not function even when the WSS option is enabled.
- "WSS" is also available in D-TV mode.

Selected item	Description
Normal	For 4:3 “standard” pictures. A side bar appears on each side.
Zoom 14:9	For 14:9 letterbox pictures. A thin side bar appears on each side, and you may also see bars on the top and bottom with some programmes.
Panorama	In this mode the picture is progressively stretched toward each side of the screen.
Full	For 16:9 squeeze pictures.
Cinema 16:9	For 16:9 letterbox pictures. Bars may appear on the top and bottom with some programmes.
Cinema 14:9	For 14:9 letterbox pictures. Bars may appear on the top and bottom with some programmes.
Dot by Dot	Displays an image with the same number of pixels on the screen (only when receiving a 1080i/1080p signal).
Underscan	Display with an Underscan image only when receiving a 720p signal. Display with the High-Definition image adjusted optimally. Noise may appear on the edge of the screen with some programmes.



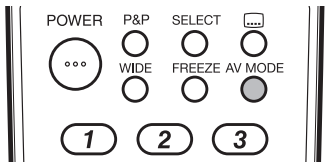
NOTE

- Some picture sizes may not be displayable depending on the input signal.

Selecting a preset AV Mode

The AV Mode function enables you to select appropriate settings for audio and video to account for the system environment which can vary due to factors like room brightness, type of programme watched or the type of image input from external equipment.

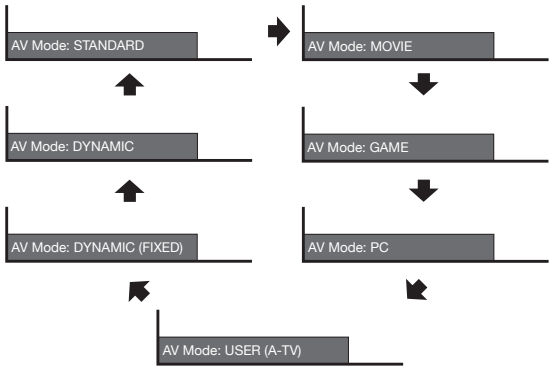
Using AV MODE on the remote control unit



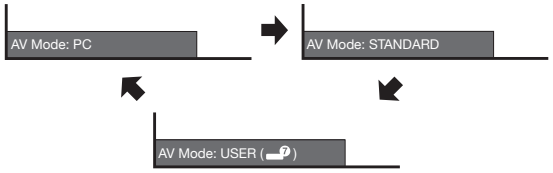
1 Press **AV MODE**.
- Present AV Mode displays.

2 Press **AV MODE** again before the mode displayed on the screen disappears.
- The mode changes as shown below.

AV input mode



PC input mode



Using AV Mode on the menu screen

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Picture”.

3 Press ▲/▼ to select “AV Mode”, and then press **ENTER**.

4 Press ▲/▼/◀/▶ to select the desired item, and then press **ENTER**.

Selected item	Description
STANDARD	For a highly defined image in a normally bright room
MOVIE	For a movie
GAME	Lowers image brightness for easier viewing.
PC	For PC. (Available only when inputting an HDMI or PC signal.)
USER	Allows the user to customise settings as desired. You can set the mode for each input source.
DYNAMIC (FIXED)	Changes the image and sound settings to the factory preset values. No adjustments are allowed.
DYNAMIC	For a clear-cut image emphasising high contrast for sports viewing

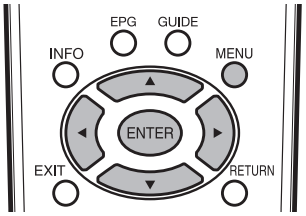
NOTE

- You can select a different AV Mode item for each input mode. (For example, select STANDARD for TV input and DYNAMIC for VIDEO input.)
- During PC input mode, only “PC” , “STANDARD” and “USER” can be selected under the AV mode selection.

Manual picture settings

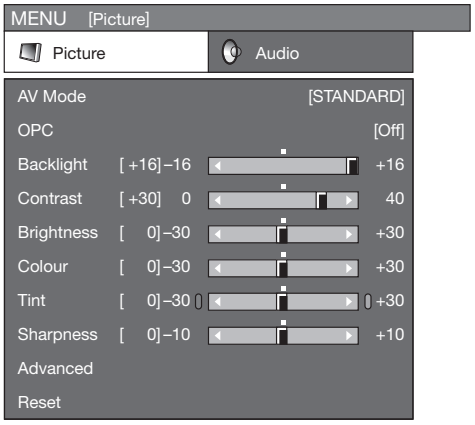
Picture adjustment

You can adjust the picture to your preference.
Follow the steps to adjust the picture.



1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Picture”.



3 Press ▲/▼ to select the desired menu item.
Press **ENTER** to proceed if necessary.

4 Press ▲/▼ or ◀/▶ to select the desired item or adjust the item to the desired level. Press **ENTER** if necessary.

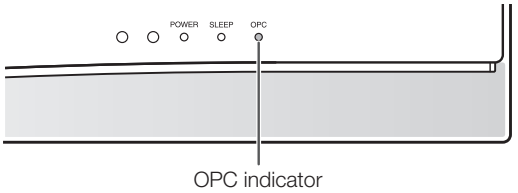
NOTE

- For resetting all adjustment items to factory preset values, press ▲/▼ to select “Reset”, press **ENTER**, press ◀/▶ to select “Yes”, and then press **ENTER**.
- Select “Advanced” and then press **ENTER** to set “Colour Temp.”, “Film Mode”, “Black”, “3D-Y/C” , “Monochrome” or “DNR”. See page 34.

Selected item	◀button	▶button
OPC	Sets whether or not the screen brightness is automatically adjusted according to the lighting condition in the room. (OPC setting: See this page.)	
Backlight	The screen dims	The screen brightens
Contrast	For less contrast	For more contrast
Brightness	For less brightness	For more brightness
Colour	For less colour intensity	For more colour intensity
Tint	Skin tones become purplish	Skin tones become greenish
Sharpness	For less sharpness	For more sharpness
Advanced	For finer picture adjustments. (See page 34.)	
Reset	Resets all picture adjustment items to the factory preset values.	

■ OPC (Optical Picture Control) setting

You can set the TV to automatically adjust the screen to suitable backlight brightness according to the lighting conditions.



OPC indicator

Selected item	Description
On:Display	Displays the OPC effect on the screen while adjusting the brightness of the screen.
On	Automatically adjusts
Off	The brightness is fixed at the value set in “Backlight” (See this page.)

OPC indicator

Light off	“Off” is selected in the OPC setting.
Lighted (Green)	“On” or “On:Display” is selected in the OPC setting.

NOTE

- Make sure no object obstructs the OPC sensor, which could affect its ability to sense surrounding light.

Advanced picture settings

The advanced settings enable you to set the picture adjustment in more detail. There are six options you can choose from.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Picture”.

3 Press ▲/▼ to select “Advanced”, and then press **ENTER**.

4 Press ▲/▼ to select the desired menu, and then press **ENTER**.

5 Press ▲/▼ or ◀/▶ to select the desired level, and then press **ENTER** if necessary.

■ Colour Temp. (Colour Temperature)

Adjusts the colour temperature to give the best white image.

Selected item	Description
High **Mid-High** **Middle** **Mid-Low** **Low**	White with bluish tone ⇕ White with reddish tone

■ Film Mode

Automatically detects a film-based source (originally encoded at 24/25 frames/second, depending on the vertical frequency), analyses it then recreates each still film frame for high-definition picture quality.

■ Black

For easier viewing, change the viewing depth by selecting a level for automatically adjusting the dark portion of an image.

Selected item	Description
On	For high detail in black portions
Off	No adjustment

■ 3D-Y/C

Provides high quality images with minimal dot crawl and cross colour noise.

Selected item	Description
Standard	Normal adjustment
Fast	For movie image
Slow	For still image
Off	3D-Y/C off

NOTE

- 3D-Y/C is not selectable depending on the input signal type.
- 3D-Y/C may not operate depending on the input signal type or noisy input signal.

■ Monochrome

For viewing images in monochrome.

■ DNR (Digital Noise Reduction)

Reduces noise on the screen and produces a clearer video image.

Selected item	Description
Off	DNR setting off
High	Higher noise reduction
Low	Lower noise reduction

Other picture settings

Adjusting the image position

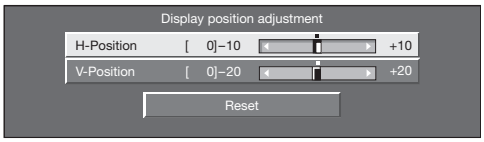
For adjusting a picture's horizontal and vertical position.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Position”, and then press **ENTER**.

4 Press ▲/▼ to select “H-Position” or “V-Position”.



Selected item	Description
H-Position	Centres the image by moving it to the left or right.
V-Position	Centres the image by moving it up or down.

5 Press ◀/▶ to adjust the item to your desired position.

NOTE

- For resetting all adjustment items to the factory preset values, press ▲/▼ to select “Reset”, and then press **ENTER**.
- **Adjustments are stored separately according to input source.**
- Images may not be displayed properly depending on the settings and/or signals.

Game Play Time

This function displays the elapsed game time so you do not lose track of the time.
To display the elapsed time, select “GAME” under “AV Mode” for the input mode of the terminal connected to the game console before starting the game.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Option”.

3 Press ▲/▼ to select “Game Play Time”, and then press **ENTER**.

4 Press ◀/▶ to select “On”, and then press **ENTER**.

Selected item	Description
On	The elapsed time is displayed every 30 minutes when you switch to GAME mode in external input mode.
Off	No adjustment

NOTE

Game Play Time is reset after performing the following operations.

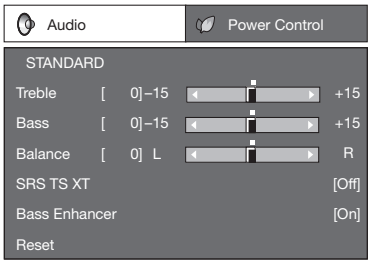
- When toggling the input.
- When changing “AV MODE”.

Audio adjustment

You can adjust the audio of the selected AV mode.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Audio”.



3 Press ▲/▼ to select the desired menu item.
Press **ENTER** to proceed if necessary.

4 Press ◀/▶ to select the desired item or adjust the item to the desired level. Press **ENTER** if necessary.

Selected item	◀button	▶button
Treble	For weaker treble	For stronger treble
Bass	For weaker bass	For stronger bass
Balance	Decrease audio from the right speaker	Decrease audio from the left speaker

NOTE

- For resetting all adjustment items to the factory preset values, press ▲/▼ to select “Reset”, press **ENTER**, press ◀/▶ to select “Yes”, and then press **ENTER**.

SRS TruSurround (TS) XT

You can enjoy SRS TruSurround XT sound, the same as if you were in a movie theatre.

1 Repeat steps 1 to 2 in **Audio Adjustment**.

2 Press ▲/▼ to select “SRS TS XT”, and then press **ENTER**.

3 Press ◀/▶ to select “On”, and then press **ENTER**.

Selected item	Description
On	SRS TruSuround XT creates a high quality surround sound experience, when watching DVD movies and TV programmes broadcast in surround sound.
Off	Outputs the normal sound.

Bass Enhancer

This function allows you to enjoy bass-enhanced sound.

1 Repeat steps 1 to 2 in **Audio Adjustment**.

2 Press ▲/▼ to select “Bass Enhancer”, and then press **ENTER**.

3 Press ◀/▶ to select “On”, and then press **ENTER**.

Selected item	Description
On	Bass Enhancer function is on.
Off	Outputs the normal sound.

Output Volume Select

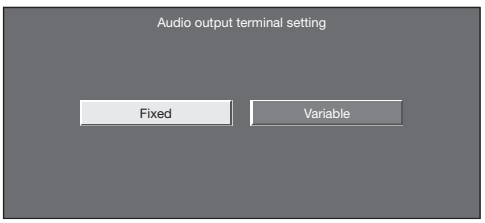
Allows you to select what controls the audio output.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Option”.

3 Press ▲/▼ to select “Output Volume Select”, and then press **ENTER**.

4 Press ◀/▶ to select “Fixed” or “Variable”, and then press **ENTER**.



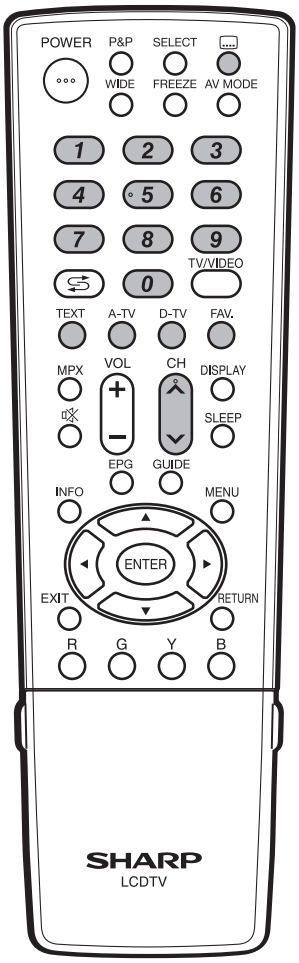
Selected item	Description
Fixed	• Sound via speakers is adjusted with **VOL** +/– on the remote control unit or the TV. • Sound via the MONITOR OUT terminal is not adjustable and constantly outputs.
Variable	• Sound via the MONITOR OUT terminal is adjusted with **VOL** +/– on the remote control unit or the TV. • Sound via speakers is muted.

NOTE

- The “Audio” menu cannot be operated when headphones are plugged in or when “Variable” is selected.

A-TV (Analogue)/D-TV (Digital) buttons

Use the following buttons on the remote control to operate the menu.



A-TV: Press to switch to analogue TV mode. After switching from digital TV or external input mode to analogue TV mode, the TV jumps to the most recently viewed analogue channel.

D-TV: Press to switch to digital TV mode. After switching from analogue TV or external input mode to digital TV mode, the TV jumps to the most recently viewed digital TV channel.

When you watch the TV for the first time

When the TV powers on for the first time after purchase, perform the auto installation.

A-TV (Analogue TV)

You can run the auto installation to set channels automatically.

1. To watch the analogue TV, select “Auto Installation” from Setup menu. (See page 18.)
2. After setting the channels, you can select a channel using **CH** ∧/∨ or **0**-**9** on the remote control unit. (See page 19.)

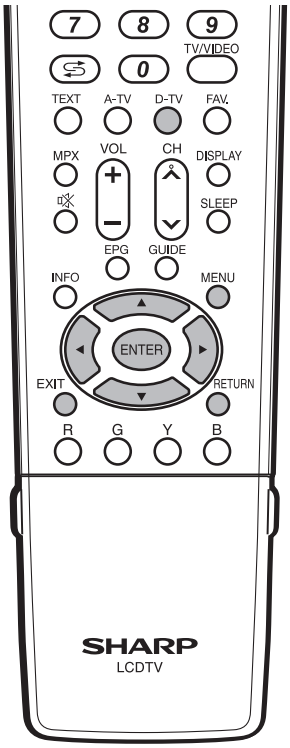
D-TV (Digital TV)

When the TV accesses to D-TV mode for the first time, you need to run the auto search. To scan all available services in your area, follow the procedures below.

1. To watch D-TV broadcasts, select “Auto Search” from “D-TV Menu”. (See page 43.)
2. After setting the channels, you can select a channel using **CH** ∧/∨ or **0**-**9** on the remote control unit. (See page 19.)

Basic adjustment settings (Digital)

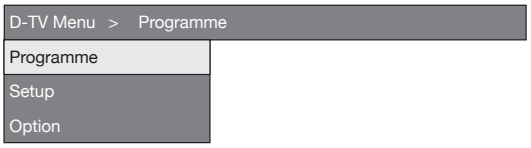
Selecting D-TV menu



1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Option”.

3 Press ▲/▼ to select “D-TV Menu”, and then press **ENTER**.



4 Press ▲/▼ to select the desired item and adjust the item to the desired level.
Press **ENTER** if necessary.

5 Press **EXIT** or **MENU** to exit the MENU.
Press **RETURN** as necessary to return to the previous MENUs.

D-TV input mode menu items

List of D-TV menu items to help you with operations

Programme
- Programme List ..... Page 42
- Edit Channel
  - Favourite & Lock ..... Page 42
  - Parental Rate ..... Page 42

Setup
- Installation
  - Auto Search ..... Page 43
  - Manual Adjust ..... Page 43
  - Reset Data ..... Page 44
- System Setup
  - Video Setup ..... Page 44
  - Audio Setup
    - Digital Output ..... Page 45
    - Multilingual ..... Page 46
  - Time Setup ..... Page 46
  - I-Plate Setup (Information Plate Setup) ..... Page 46

Option
- Information ..... Page 47
- OAD Option ..... Page 47
- S/W Update ..... Page 47

NOTE

- The illustrations in this manual are for explanation purposes and may vary slightly from the actual operations.

Electronic Programme Guide (EPG)

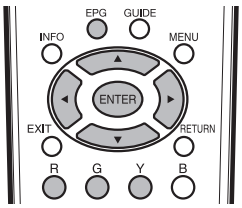
What is an EPG?
An "EPG (Electronic Programme Guide)" is a programme schedule, which is displayed on the TV screen. The EPG is broadcasted together with D-TV. The TV screen shows the EPG when the viewer presses **EPG** on the remote control, provided that the TV is receiving the digital broadcasting signal. The EPG enables you to search for a programme or view the programme schedule in detail.

Selecting a programme using EPG

Basic operation

■ Display the EPG screen

Press **EPG**.



■ Display the EPG screen

① Press ◄/► to select the time span you want to search.
- Continue to press ► to display programmes in the next time span.

② Press ▲/▼ to select the desired programme.
- If ▲ or ▼ are displayed on the right of the services, continue to press ▲/▼ to display next or previous screen.

■ Close the EPG screen

Press **EPG** again.

Selecting a programme

③ Check programme information

1 Press ▲/▼/◄/► to select the programme you want to check.

2 Press **R**.

Programme Information

3 Press **ENTER** to tune to the selected programme.

4 Press **EXIT** or **EPG** to exit the EPG screen.

④ Check for next day programme information

1 Press **Y**.

2 Press ▲/▼/◄/► to select the programme you want to check.

3 Press **R**.

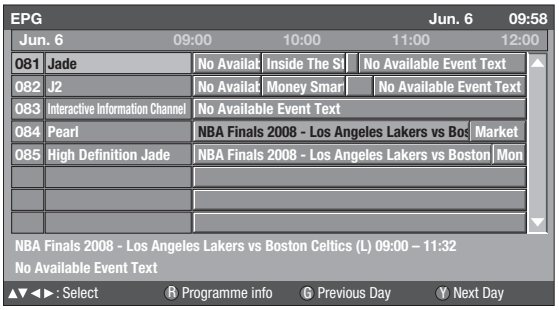
4 Press **EXIT** or **EPG** to exit the EPG screen.

⑤ Check previous day programme information

1 Press **G**.

2 Press ▲/▼/◀/▶ to select the programme you want to check.

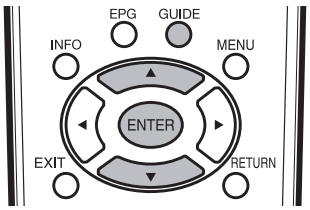
3 Press **R**.



4 Press **EXIT** or **EPG** to exit the EPG screen.

Programme Guide

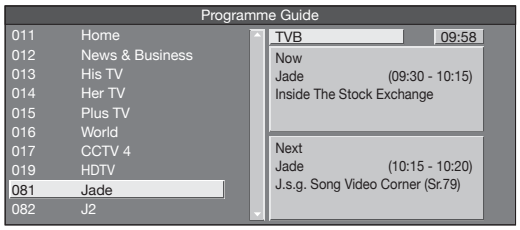
You can check the schedule of D-TV events and view detailed information about current or future events.



1 Press **GUIDE** to display the programme guide list.

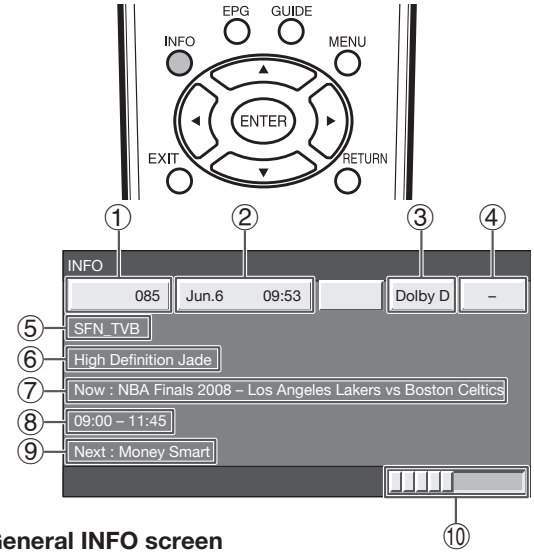
2 Press ▲/▼ to display your desired programme, and then press **ENTER**.

- When you press **ENTER**, the TV displays the contents of the selected channel.



INFO

While watching D-TV you can check the extended programme information on the screen using **INFO** on the remote control.



General INFO screen

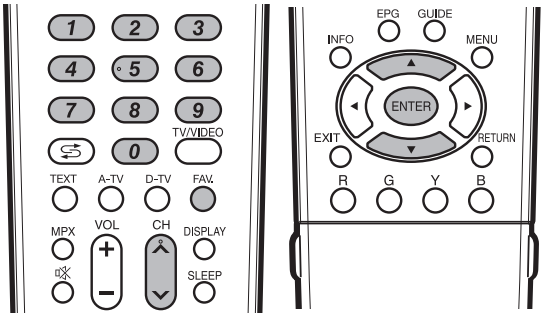
① Current LCN number
② Date and current local time
③ Audio system (Dolby D or Mpeg)
④ Parental rate
⑤ Station name
⑥ Service name
⑦ Current programme name
⑧ Time for the current programme
⑨ Next programme name
⑩ Signal Level

NOTE

- While the I-Plate (Information Plate Setup) is still on the screen, you can press **INFO** on the remote control again to call up the extended programme information of the current TV channel. (See page 46.)
- Press **INFO** again and you call up the extended information on the next programme.
- Pressing **INFO** again will not display the information for the next programme if “No Available Event Text” under “Next” is displayed.

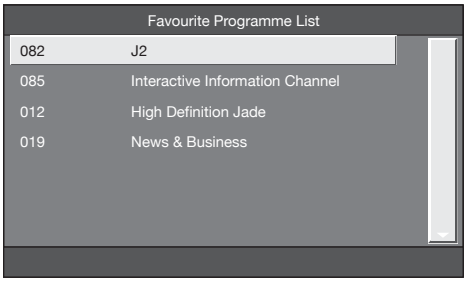
Favourite Programme List

When you are watching Digital TV channels, you can call up the Favourite Programme List using **FAV.** on the remote control and select channel within the list.



1 Press **FAV.** to display the Favourite Programme List.

2 Press ▲/▼ to select your desired channel, and then press **ENTER**.



NOTE

- Refer to “Favourite & Lock” to register channels to your Favourite Programme List. (See page 42.)

Selecting channels other than Favourite programmes

Directly input the number of the channel you want to watch using **0 - 9** on the remote control unit or select the channel from “Programme List” in the “Programme” menu.

Programme List

You can select the desired programme from the programme list.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Option”.

3 Press ▲/▼ to select “D-TV Menu”, and then press **ENTER**.

4 Press ▲/▼ to select “Programme”, and then press **ENTER**.

5 Press ▲/▼ to select “Programme List”, and then press **ENTER**.

6 Press ▲/▼ to select your desired programme number and name, and then press **ENTER**.

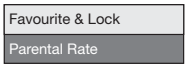
Favourite & Lock

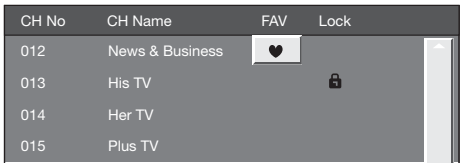
Assign channels to Favourite or to Lock groups.

1 Repeat steps 1 to 4 in **Programme List**.

2 Press ▲/▼ to select “Edit Channel”, and then press **ENTER**.
If you have already set the password, enter it here.
- See page 27 for setting a password.

3 Press ▲/▼ to select “Favourite & Lock”, and then press **ENTER**.





4 Press ▲/▼ to select your desired channel.

5 Press ◀/▶ to select “FAV” or “Lock”, and then press **ENTER**.

Selected item	Description
FAV	You can easily select your favourite channel from the Favourite Programme List.
Lock	When the channel is locked, you must enter your password whenever you tune to the channel.

NOTE

- Press **ENTER** again to cancel “FAV” (♥) or “Lock” (🔒) settings.

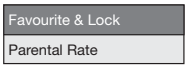
Parental Rate

This function allows TV channels to be restricted. It prevents children from watching violent or sexual scenes that may be considered inappropriate.

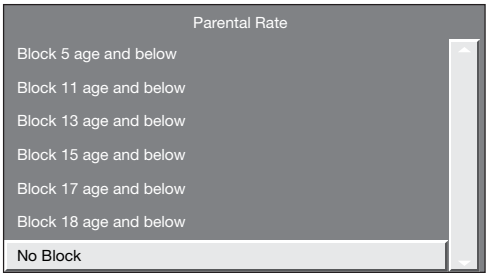
1 Repeat steps 1 to 4 in **Programme List**.

2 Press ▲/▼ to select “Edit Channel”, and then press **ENTER**.
If you have already set the password, enter it here.
- See page 27 for setting a password.

3 Press ▲/▼ to select “Parental Rate”, and then press **ENTER**.



4 Press ▲/▼ to select your desired rating, and then press **ENTER**.


Parental Rate
Block 5 age and below
Block 11 age and below
Block 13 age and below
Block 15 age and below
Block 17 age and below
Block 18 age and below
No Block

Installation

The first time the receiver is powered on, “Programme list is empty” will display on the screen. Under the main menu, select “Installation” and enter into the sub-menu.

Auto Search

You can automatically search for and download TV channels.

1. Press **MENU** and the MENU screen displays.
2. Press ◀/▶ to select “Option”.
3. Press ▲/▼ to select “D-TV Menu”, and then press **ENTER**.
4. Press ▲/▼ to select “Setup”, and then press **ENTER**.
5. Press ▲/▼ to select “Installation”, and then press **ENTER**.
   If you have already set the password, enter it here.
   - See page 27 for setting a password.
6. Press ▲/▼ to select “Auto Search”, and then press **ENTER**.
7. Press ◀/▶ to select “Yes”, and then press **ENTER**.
8. Auto search starts.
   - Programme auto search.

   You do not need to do anything during the auto search.

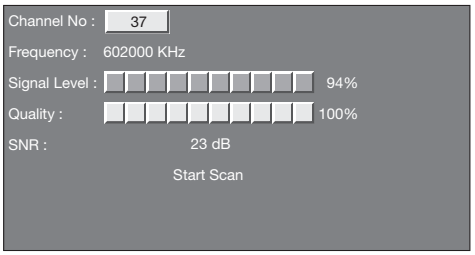
NOTE

- Once the D-TV signal is scanned, the channel number (LCN number) and service name will be shown on the programme list.
- The indicator operates concurrently with scanning channels and shows the progress made.

Manual Adjust

You can set some channel items manually.

1. Repeat steps 1 to 5 in **Auto Search**.
2. Press ▲/▼ to select “Manual Adjust”, and then press **ENTER**.
3. Press **0-9** or ◀/▶ to select a channel number.
   - Channel settings apply to channels 21-69.
4. Press ▲/▼ to select the desired menu item, and make sure the correct frequency is selected.



5. Press ▲/▼ to select “Start Scan”, and then press **ENTER**.

NOTE

- If a signal locks in, “Start Scan” will change to “Get Channel Success”. Then you can press **EXIT** to leave the installation page and watch a programme or continue scanning for other channels. Anytime you watch a D-TV channel and want to know the “Signal Level”, “Quality” or “SNR”, enter into this page.
- If a signal does not lock in, “Start Scan” will show “Timeout Error”. You can scan the signal again, or refer to the “Signal Level” and “Quality” for aligning the direction of the antenna to get the signal.
- **Signal Level**: The signal power or intensity from the broadcasted frequency.
  Quality: The clean level of the signal from the broadcasted frequency.
  SNR: The rate of signal and noise to radiated frequency.

Reset Data

Use this function to clear the channel data.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Option”.

3 Press ▲/▼ to select “D-TV Menu”, and then press **ENTER**.

4 Press ▲/▼ to select “Setup”, and then press **ENTER**.

5 Press ▲/▼ to select “Installation”, and then press **ENTER**.
If you have already set the password, enter it here.
• See page 27 for setting a password.

6 Press ▲/▼ to select “Reset Data”, and then press **ENTER**.

7 Press ◀/▶ to select “Yes”, and then press **ENTER**.

Video Setup

This function allows you to select an output format.

1 Press **MENU** and the MENU screen displays.

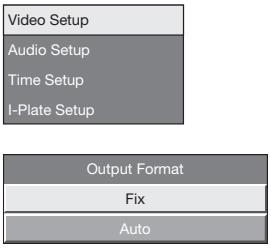
2 Press ◀/▶ to select “Option”.

3 Press ▲/▼ to select “D-TV Menu”, and then press **ENTER**.

4 Press ▲/▼ to select “Setup”, and then press **ENTER**.

5 Press ▲/▼ to select “System Setup”, and then press **ENTER**.

6 Press ▲/▼ to select “Video Setup”, and then press **ENTER**.



7 Press ▲/▼ to select your desired item, and then press **ENTER**.

Selected item	Description
Fix	Displays every D-TV broadcast converted to 1080i.
Auto	Displays the D-TV broadcast in the format it is received.

Digital Output

This function allows you to select your preferred audio output system.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Option”.

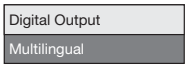
3 Press ▲/▼ to select “D-TV Menu”, and then press **ENTER**.

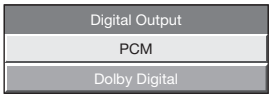
4 Press ▲/▼ to select “Setup”, and then press **ENTER**.

5 Press ▲/▼ to select “System Setup”, and then press **ENTER**.

6 Press ▲/▼ to select “Audio Setup”, and then press **ENTER**.

7 Press ▲/▼ to select “Digital Output”, and then press **ENTER**.



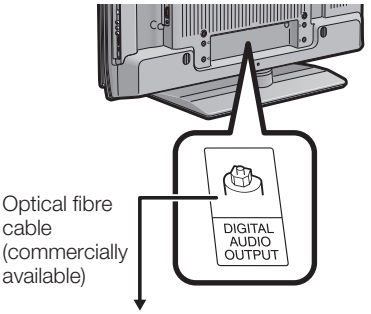


8 Press ▲/▼ to select your desired output system, and then press **ENTER**.

Selected item	Description
PCM	The optical output format is normally in PCM.
Dolby Digital	Dolby Digital audio will be output when there is a Dolby Digital audio signal. The output will be in PCM when there is no Dolby Digital audio signal.

Using Digital Audio Output

It is possible to output audio through the DIGITAL AUDIO OUTPUT terminal. PCM or Dolby Digital audio outputs from the terminal.



To optical digital input of external audio devices

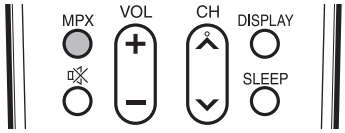
NOTE

- The DIGITAL AUDIO OUTPUT terminal usually outputs the same audio from the speakers. (The audio of the content you are viewing is output from the terminal.)
- The DIGITAL AUDIO OUTPUT terminal does not output some signals, depending on devices and software.

Multilingual

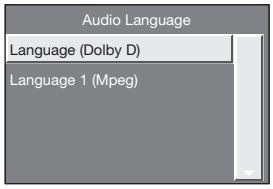
You can select a different audio language when the broadcast has different audio language.

Using MPX on the remote control



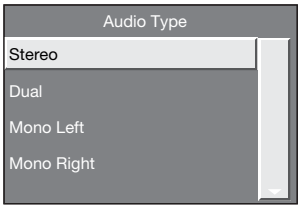
1 Press **MPX**.

2 Press ▲/▼ to select your desired audio language, and then press **ENTER**.



Selected item	Description
Language (Dolby D)	You can enjoy Dolby Digital audio. Outputs Dolby Digital audio from the digital output.
Language 1 (Mpeg)	You can enjoy Mpeg audio. Outputs PCM audio from the digital output regardless of the "Digital Output" setting.

3 If "Language 1(Mpeg)" is selected, you can press ▲/▼ to select your desired "Audio type".



NOTE

- The audio type depends on the signal source.

Using Multilingual on the menu screen

1 Repeat steps 1 to 6 in **Digital Output**.

2 Press ▲/▼ to select "Multilingual", and then press **ENTER**.

NOTE

- MPX does not work for split-screen in D-TV (Digital TV) mode.
- Selectable audio language is depended on the broadcast signal. If the broadcast signal contains only "Dolby D", then you cannot select "Mpeg" in "Audio Language".

Time Setup

This function allows you to select your local time zone.

1 Press **MENU** and the MENU screen displays.

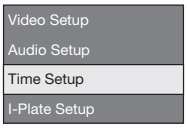
2 Press ◀/▶ to select "Option".

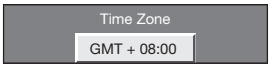
3 Press ▲/▼ to select "D-TV Menu", and then press **ENTER**.

4 Press ▲/▼ to select "Setup", and then press **ENTER**.

5 Press ▲/▼ to select "System Setup", and then press **ENTER**.

6 Press ▲/▼ to select "Time Setup", and then press **ENTER**.





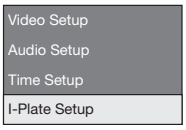
7 Press **ENTER**, and then use ▲/▼ to select your local time zone. Finally, press **ENTER** to confirm.

I-Plate Setup (Information Plate Setup)

This function allows you to configure the display time and time format for the information plate.

1 Repeat steps 1 to 5 in **Time Setup**.

2 Press ▲/▼ to select "I-Plate Setup", and then press **ENTER**.



3 Press ▲/▼ to select your desired item.

4 Press ◀/▶ to select your desired value, and then press **ENTER**.

Information

You can check the current version of the software on the screen.

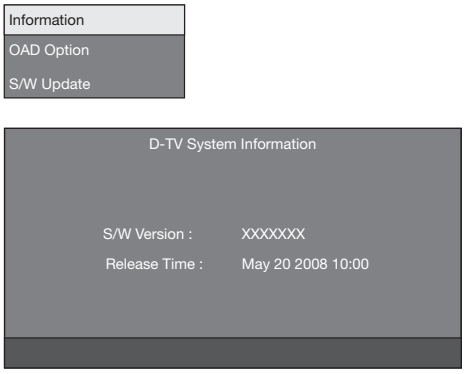
1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Option”.

3 Press ▲/▼ to select “D-TV Menu”, and then press **ENTER**.

4 Press ▲/▼ to select “Option”, and then press **ENTER**.

5 Press ▲/▼ to select “Information”, and then press **ENTER**.



OAD Option

- This function is for automatically download the data for the version update software over digital broadcasts when the “OAD Option” is set to “ON”.
- To download, follow the instructions when the download message appears during a digital broadcast.

CAUTION

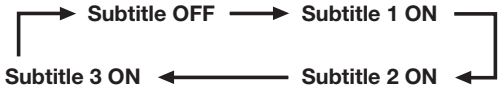
- **Do not disconnect the AC cord when the software upgrade is in progress, as this may cause the upgrade to fail. If problem arises ask a qualified service personnel before the software upgrade period expires.**

S/W Update

This function is only for service personnel to use for software updates.

Switching subtitle languages

Each time you press 💬 on the remote control, the subtitle switches.



NOTE

- When displaying subtitles, MHEG contents are not displayed.
- When there is no subtitle broadcast, “No subtitle Data” will be displayed.
- The number of subtitle languages available differs depending on the programme.

Text

MHEG data broadcast is scheduled in Hong Kong. You can watch a MHEG data broadcast after pressing the **TEXT** button.

NOTE

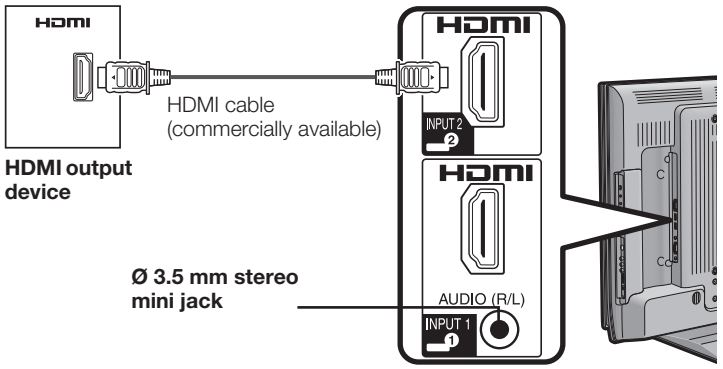
- When displaying subtitles, MHEG contents are not displayed.

Settings when using external devices

Settings when using HDMI output devices

HDMI terminals can carry audio and visual signals to the TV with an HDMI certified cable. When you want to output the audio and picture from an HDMI output device on the TV, select “INPUT1”, “INPUT2” or “INPUT3” by switching the input source.

Connecting an HDMI output device



■ HDMI (High-Definition Multimedia Interface) Auto View

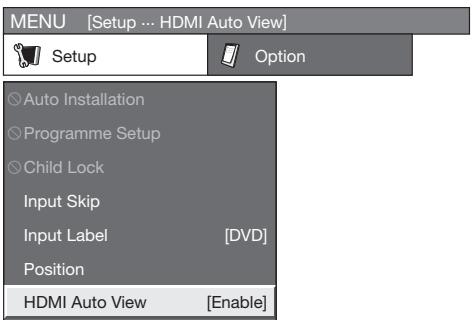
1 To watch an HDMI equipment image, select “INPUT1”, “INPUT2” or “INPUT3” using **TV/VIDEO** on the remote control unit or on the TV.

2 Press **MENU** and the MENU screen displays.

3 Press ◀/▶ to select “Setup”.

4 Press ▲/▼ to select “HDMI Auto View”, and then press **ENTER**.

- The HDMI Auto View can be selected only when “INPUT1”, “INPUT2” or “INPUT3” is selected.



5 Press ◀/▶ to select the desired item, and then press **ENTER**.

Selected items	Description
Enable / Disable	Set whether or not to use WIDE MODE based on signal recognition, including an HDMI signal.

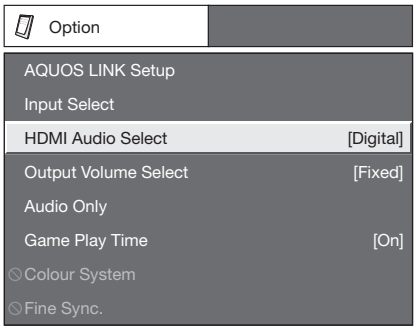
■ HDMI Audio Select

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Option”.

3 Press ▲/▼ to select “HDMI Audio Select”, and then press **ENTER**.

- The HDMI Audio Select can be selected only when “INPUT1” is selected.



4 Press ◀/▶ to select the desired setting, and then press **ENTER**.

Selected items	Description
Digital/ Analogue	Select “Digital” for audio signal via the HDMI terminal. Select “Analogue” for audio signal via the AUDIO jack.

NOTE

- Refer to your external equipment operation manual for the above settings.
- When connecting a DVI-HDMI conversion adaptor/cable to the HDMI terminal, the image may not come in clearly.
- “HDMI Audio Select” is only available for INPUT1.

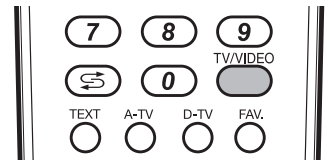
Selecting the input source and signal type

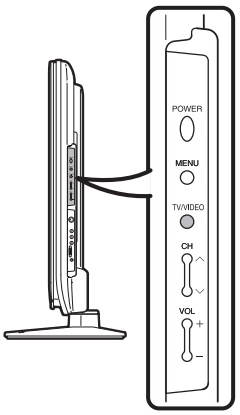
Selecting input source

Can use for selecting the input source.

Using TV/VIDEO on the remote control unit or on the TV

TV/VIDEO allows you to choose from the available input sources.





1 Press **TV/VIDEO** on the remote control unit or on the TV.

2 Press **TV/VIDEO** on the remote control unit or on the TV to select the input source.

- The image and sound from the selected source are output on the TV.
- You can also select the input source by pressing ▲/▼.

Selecting input signal type

For setting the signal type of external equipment.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Option”.

3 Press ▲/▼ to select “Input Select”, and then press **ENTER**.

4 Press ▲/▼ to select a signal type you want to set, and then press **ENTER**.

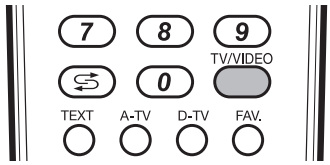
Input source	Selectable item
INPUT4	Auto, S-VIDEO, VIDEO
INPUT5	Auto, COMPONENT, VIDEO
INPUT6	Auto, COMPONENT, VIDEO

NOTE

- **If no colour image displays, try changing the other signal type.**
- Check the operation manual of the external equipment for the signal type.
- When the signal type is set to “Auto”, the input terminal where a cable is connected is automatically selected.
- When the signal type is set to “Auto” and multiple video signal cables are connected, the signal type is selected in the following prioritised order:
  INPUT4: S-VIDEO → VIDEO
  INPUT5/INPUT6: COMPONENT → VIDEO

Labelling input sources

You can assign each input source a label as you prefer.



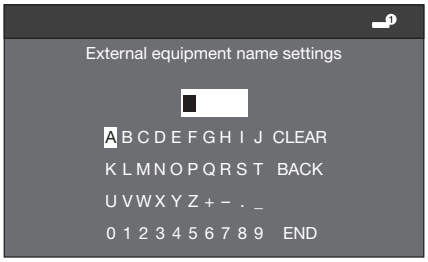
1 Press **TV/VIDEO** to select the desired input source.

2 Press **MENU** and the MENU screen displays.

3 Press ◀/▶ to select “Setup”.

4 Press ▲/▼ to select “Input Label”, and then press **ENTER**.

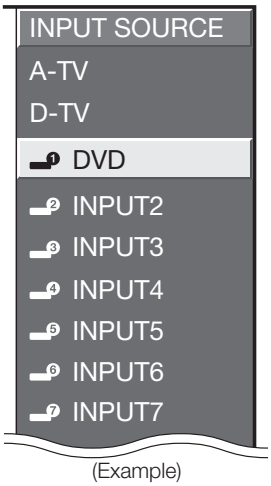
5 Press ▲/▼/◀/▶ to select each character of the new name for the input source, and then press **ENTER**.



(Example)

6 Repeat until the name is fully spelt out.

- The name can be 6 characters or less.
- When you want to set an input source name of less than 6 characters, select “END”, then press **ENTER** to exit from the labelling menu.



(Example)

NOTE

- You cannot change labels if the input source is A-TV or D-TV.

Skipping HDMI/RGB input

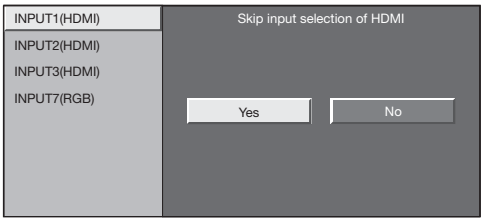
This setting allows you to skip the HDMI or RGB input on the “Input Select” menu.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Input Skip”, and then press **ENTER**.

4 Press ▲/▼ to select the Input (INPUT1 to INPUT3 and INPUT7) you wish to skip, and then press **ENTER**.



5 Press ◀/▶ to select “Yes”, and then press **ENTER**.

6 Press **MENU** to exit.

Colour system settings

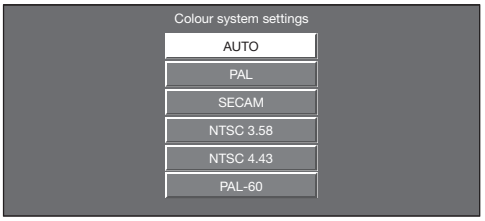
You can change the colour system to one that is compatible with the image on the screen.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Option”.

3 Press ▲/▼ to select “Colour System”, and then press **ENTER**.

4 Press ▲/▼ to select a compatible video signal system of your equipment, and then press **ENTER**.

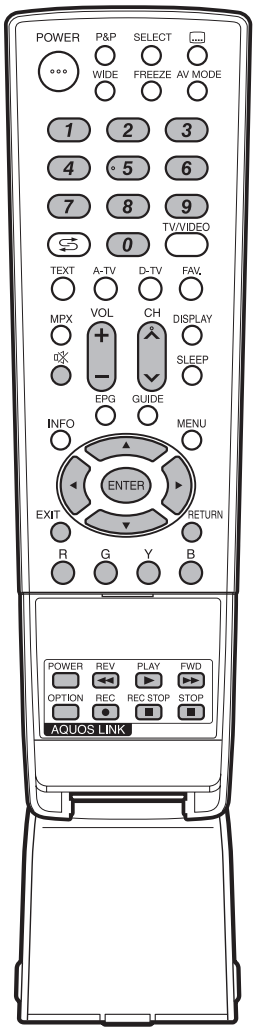


NOTE

- Factory preset value is “AUTO”.
- If “AUTO” is selected, colour system for each channel is automatically set. If an image does not display clearly, select another colour system (e.g. PAL, NTSC 4.43).
- “Colour System” is selectable only when inputting an S-VIDEO or composite signal.

AQUOS LINK

Controlling HDMI devices using AQUOS LINK



What is AQUOS LINK?

Using the HDMI CEC (Consumer Electronics Control) protocol, with AQUOS LINK you can interactively operate compatible system devices (AV amplifier, DVD, Blu-ray Disc device) using a single remote control.
By connecting AQUOS LINK-compatible devices with HDMI-certified cables to the TV, you can control a recorder or AV amplifier using the remote control of the TV.
AQUOS LINK allows you to operate the HDMI-connected equipment with one remote control.

NOTE

- Please check the availability of AQUOS LINK-compatible AQUOS BD Players and AQUOS LINK-compatible audio systems via the sole agent in your country.

What you can do with AQUOS LINK

✔ One Touch Recording (D-TV only)

You do not have to search for the remote control of your recording device. Press the **REC** ● or **REC STOP** ■ inside the flip cover to start/stop recording what you see on the TV.

✔ One Touch Play

While the TV is in standby mode, it automatically turns on and plays back the image from the HDMI source.

✔ Single remote control operation

The AQUOS LINK automatically recognises the connected HDMI device and you can control the TV and the devices as if using a universal remote control.

✔ Operating Title list of external devices

You can also call up the external player's Top menu or AQUOS BD Player's Title list provided that the devices support AQUOS LINK.

✔ Multiple control of HDMI devices

You can select which HDMI device to operate using **OPTION**.

✔ Controlling the AQUOS LINK-compatible audio system

You can adjust the volume and select the sound mode of the AQUOS LINK-compatible audio system.

NOTE

- Point the remote control toward the TV, not to the connected HDMI device.
- Video noise may occur depending on the type of HDMI-certified cable used. Make sure to use a HDMI-certified cable.
- Up to 3 pieces of HDMI recording equipment and one AV amplifier can be connected using this system.
- These operations affect the HDMI device selected as the current input source. If the device does not operate, turn on the device and select the appropriate input source using **TV/VIDEO**.
- When you insert/remove HDMI-certified cables or change connections, turn on all connected HDMI devices before turning on the TV. Confirm that picture and audio are correctly output by selecting "INPUT1", "INPUT2" or "INPUT3" from the INPUT SOURCE menu.

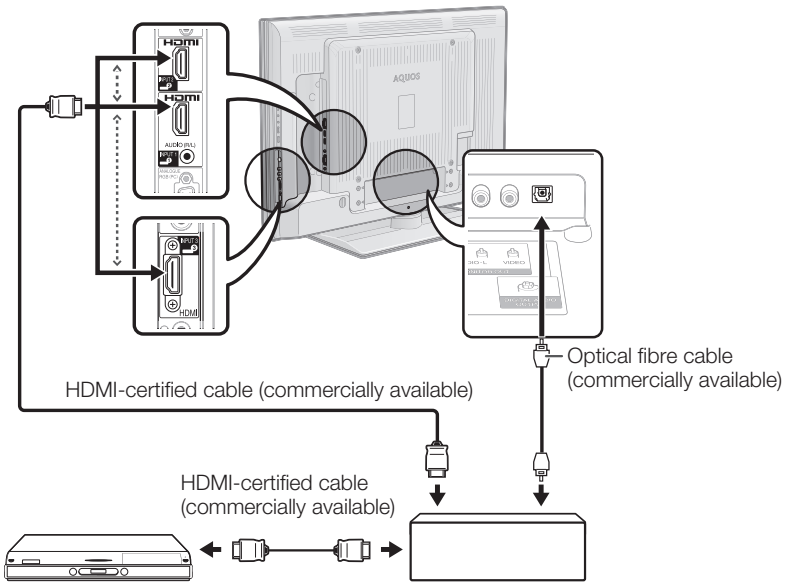
AQUOS LINK connection

First connect the AQUOS LINK-compatible audio system or an AQUOS BD Player that supports the HDMI CEC protocol.

NOTE

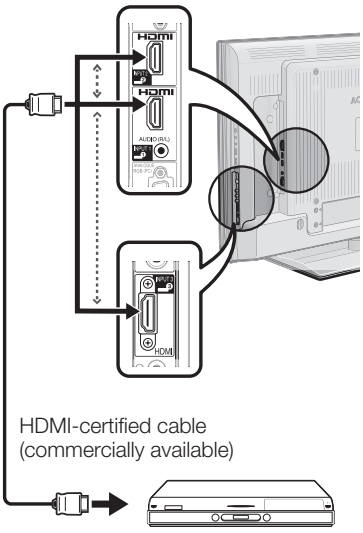
- Refer to the operation manual of the device to be connected for further details.
- After unplugging connection cables or changing the connection pattern, first turn on the power of the TV with all relevant device's power turned on. Change the external input source by pressing **TV/VIDEO**, select the appropriate input source and verify the audiovisual output.
- The cables illustrated in the following explanation are commercially available items.

Connecting an AQUOS BD Player via the AQUOS LINK-compatible audio system


HDMI-certified cable (commercially available)
Optical fibre cable (commercially available)
HDMI-certified cable (commercially available)

AQUOS BD Player **AQUOS LINK-compatible audio system**

Connecting an AQUOS BD Player only

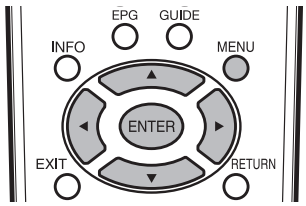


AQUOS BD Player

AQUOS LINK Setup

AQUOS LINK Auto power on

If this is activated, the One Touch Play function is enabled. While the TV is in standby mode, it automatically turns on and plays back the image from the HDMI source.

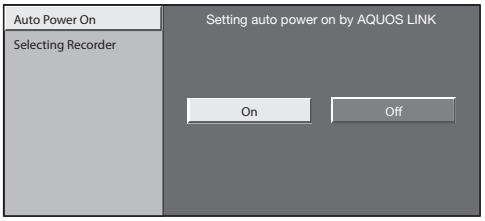


1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select "Option".

3 Press ▲/▼ to select "AQUOS LINK Setup", and then press **ENTER**.

4 Press ▲/▼ to select "Auto Power On", and then press **ENTER**.



5 Press ◀/▶ to select "On", and then press **ENTER**.

6 Press **MENU** to exit.

NOTE

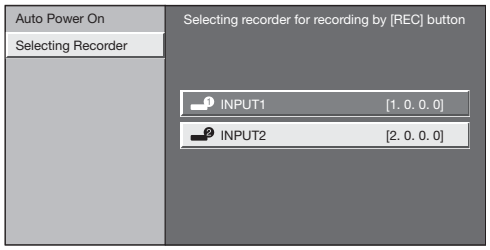
- The factory default for this item is "Off".

Selecting recorder

You can select a recorder for the recording from several connected recorders.

1 Repeat steps 1 to 3 in **AQUOS LINK Auto power on**.

2 Press ▲/▼ to select “Selecting Recorder”, and then press **ENTER**.

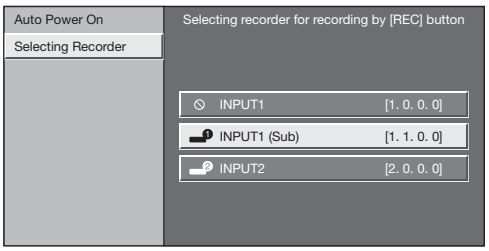


3 Select the recorder, and then press **ENTER**.

4 Press **MENU** to exit.

NOTE

- If you have connected the AQUOS LINK-compatible audio system between the TV and a CEC compatible-recorder, the input source’s indication changes from “INPUT1” to “INPUT1 (Sub)” as it is shown below.


Auto Power On
Selecting Recorder
Selecting recorder for recording by [REC] button
INPUT1 [1. 0. 0. 0]
INPUT1 (Sub) [1. 1. 0. 0]
INPUT2 [2. 0. 0. 0]

Operating an AQUOS LINK device

AQUOS LINK allows you to operate the HDMI-connected device with one remote control.

Use the following procedure to start playback.

1 Press **PLAY** ▶ to start playback of a title.

- See page 54, section “**Playback of titles using AQUOS LINK**” if you want to start playback using the list of the titles of the AQUOS BD Player.

2 Press **FWD** ▶▶ to fast forward.
Press **REV** ◀◀ to reverse.
Press **STOP** ■ to stop.
Press **POWER** to turn the HDMI-connected device on/off.

Use the following procedure to start recording.

Check the following items before recording.

- Make sure the antenna cable is connected properly.
- Check if the recording media (HDD, DVD, etc.) has enough capacity for recording a programme.
- Select the equipment for recording in “Selecting Recorder”.

1 After you selected recording media (HDD, DVD, etc.) in the menu, please make sure the recording menu in the ready condition.

2 Press **REC** ● to record a programme.

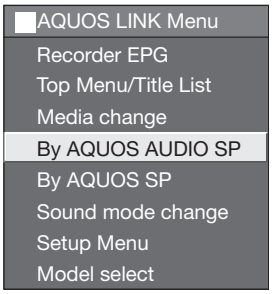
3 Press **REC STOP** ■ to stop recording.

Listening with the AQUOS LINK-compatible audio system

You can opt to listen to the TV sound only from the AQUOS LINK-compatible audio system.

1 Open the remote control unit’s flip cover. Press **OPTION** and the AQUOS LINK menu screen displays.

2 Press ▲/▼ to select “By AQUOS AUDIO SP”, and then press **ENTER**.



- The sound from the TV speaker and headphone terminal is silenced and only the sound from the AQUOS LINK-compatible audio system is audible.
- You can use **VOL** +/− and **MUTE** (🔇).

Listening with the AQUOS TV speaker system

You can opt to listen to the TV sound only from the AQUOS TV speaker system.

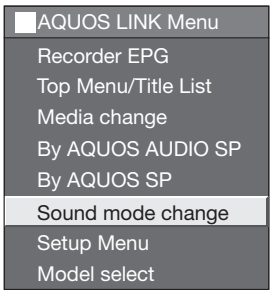
1 Open the remote control unit's flip cover, press **OPTION** and the AQUOS LINK menu screen displays.

2 Press ▲/▼ to select "By AQUOS SP", and then press **ENTER**.

Manually changing the AQUOS LINK-compatible audio system's sound mode

1 Open the remote control unit's flip cover, press **OPTION** and the AQUOS LINK menu screen displays.

2 Press ▲/▼ to select "Sound mode change".



3 The sound mode changes every time you press **ENTER**.

- Refer to the operation manual of the AQUOS audio speaker system for details.

Calling up the menu of an external device connected with the TV via HDMI

You can call up the menu of an HDMI CEC-compatible external device (player, recorder, decoder, etc.) using the "Setup Menu" function.

1 Open the remote control unit's flip cover, and then press **OPTION**.

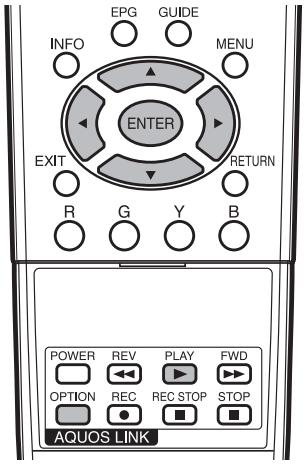
2 Press ▲/▼ to select "Setup Menu", and then press **ENTER**.

NOTE

- If a connected device does not have this function or the device is in a status where the menu cannot be displayed (recording, entering standby, etc.), this function may not be available.

Playback of titles using AQUOS LINK

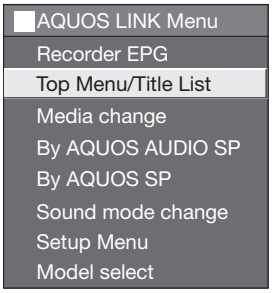
This section explains how to play back a title in the AQUOS BD Player.



1 Power on the AQUOS BD player, and select the appropriate external input.

2 Open the remote control unit's flip cover, press **OPTION** and the AQUOS LINK menu screen displays.

3 Press ▲/▼ to select "Top Menu/Title List", and then press **ENTER**.



- The linked recorder now powers on and the TV automatically selects the appropriate external input source.
- The title list data from the connected AQUOS BD Player displays.

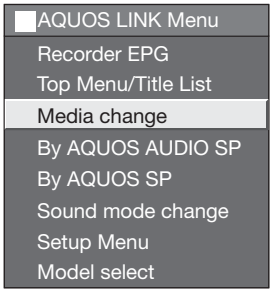
4 Select the title with ▲/▼/◀/▶, and then press **PLAY** ▶ to start playback.

Selecting media type for CEC-compatible recorder

If your recorder has multiple storage media, select the media type here.

1 Open the remote control unit's flip cover, press **OPTION** and the AQUOS LINK menu screen displays.

2 Press ▲/▼ to select "Media change", and then press **ENTER**.



3 Select the desired medium, such as DVD or Hard Disk Drive (HDD). The media type changes every time you press **ENTER**.

HDMI device selection

If multiple HDMI devices are connected in a daisy chain, you can specify which device to control here.

1 Open the remote control unit's flip cover, press **OPTION** and the AQUOS LINK menu screen displays.

2 Press ▲/▼ to select "Model select", and then press **ENTER**. The HDMI device changes every time you press **ENTER**.

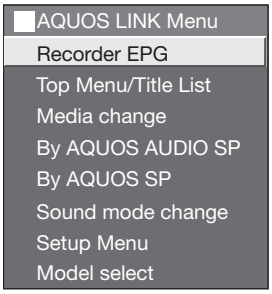
Recording via the CEC-compatible recorder's EPG (only for recorders)

You can call up the CEC-compatible recorder's EPG and preset timer recordings using the TV's remote control.

1 Open the remote control unit's flip cover, press **OPTION** and the AQUOS LINK menu screen displays.

2 Press ▲/▼ to select "Recorder EPG", and then press **ENTER**.

- The external input source switches and the recorder's EPG is displayed.



3 Select the programme to record.

- You can use ▲/▼/◀/▶, **RETURN**, **EXIT** and coloured buttons.

NOTE

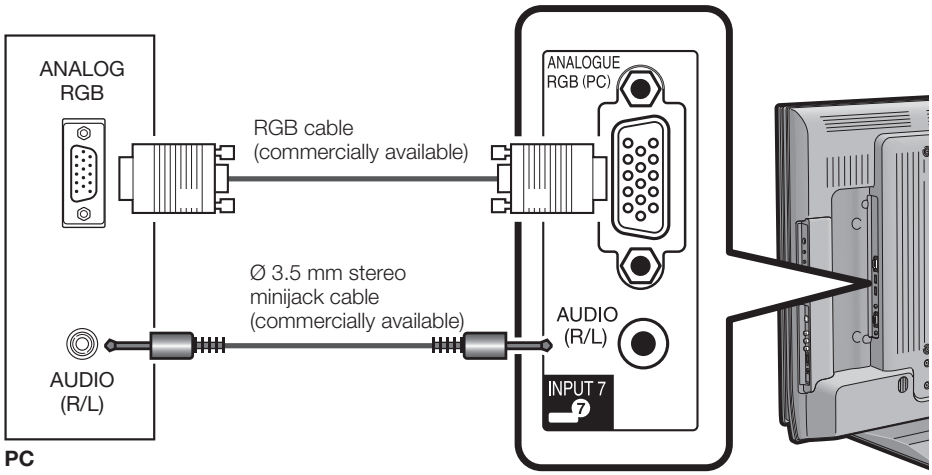
- Refer to the operation manual of the recorder for details.

Connecting a PC

Use the PC terminals to connect a PC.

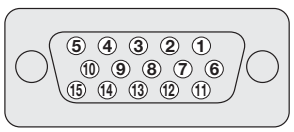
NOTE

- The PC INPUT terminals are DDC1/2B-compatible.
- Refer to page 61 for a list of PC signals compatible with the TV.



PC

Signal names for 15-pin mini D-sub connector

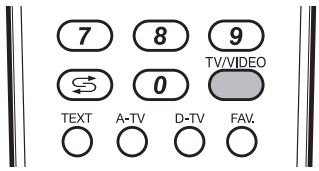


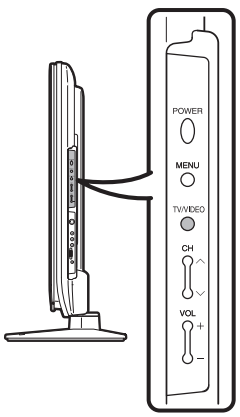
Pin No.	Signal name	Pin No.	Signal name	Pin No.	Signal name
①	R	⑥	GND (Ground)	⑪	Not connected
②	G	⑦	GND (Ground)	⑫	SDA
③	B	⑧	GND (Ground)	⑬	HD
④	Not connected	⑨	+5V	⑭	VD
⑤	CSYNC	⑩	GND (Ground)	⑮	SCL

NOTE

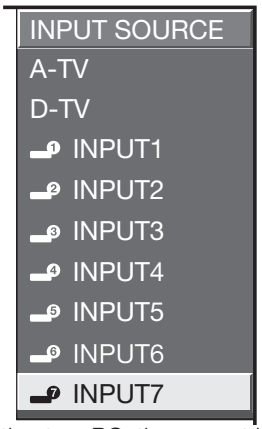
- Macintosh adaptor may be required for use for some Macintosh computers.
- Pin No. ⑤ is not used for inputting the signal.

Displaying a PC image on the screen





To view an image from a PC, select “INPUT7” using **TV/VIDEO** on the remote control unit or **TV/VIDEO** on the TV.



When connecting to a PC, the correct input signal type is automatically detected. (See page 59.)

NOTE

- Each time **TV/VIDEO** is pressed, the input source toggles.

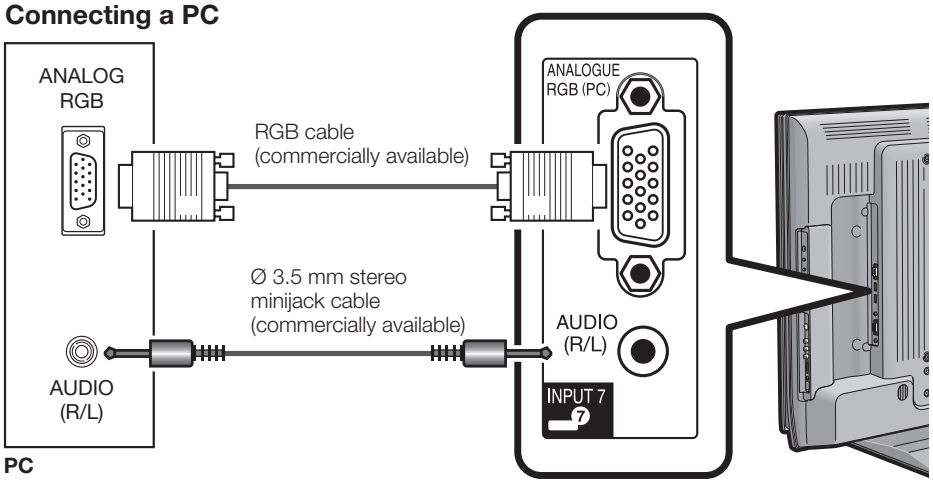
Selecting the picture size

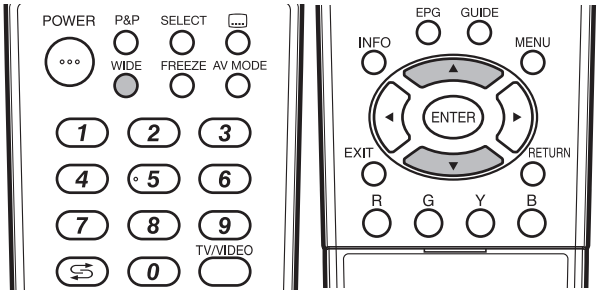
You can select the picture size as illustrated below.

NOTE

- Connect the PC before making adjustments.
- Selectable picture size may vary with input signal type.

Connecting a PC





1 Press **WIDE**.

- The WIDE MODE menu displays.

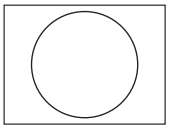
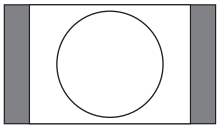
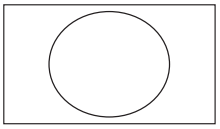
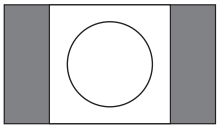
WIDE MODE		WIDE MODE
Normal	or	Full
Full		Dot by Dot

(Example)

2 Press **WIDE** or ▲/▼ to select a desired item on the menu.

EXAMPLE

Picture size images.

Input Signal	Normal	Full	Dot by Dot
 1024 × 768 1280 × 1024	 Keeps the original aspect ratio in a full screen display.	 An image fully fills the screen.	 Detects the resolution of the signal and displays an image with the same number of pixels on the screen.

Adjusting the PC image automatically

This function enables the screen to be automatically adjusted to its best possible condition when the analogue terminals of the TV and PC are connected with a commercially available RGB cable, etc.

1 Press **MENU** and the MENU screen displays.

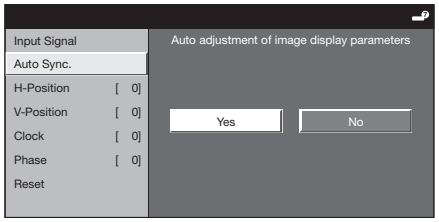
2 Press ◀/▶ to select “Option”.

3 Press ▲/▼ to select “Fine Sync.”, and then press **ENTER**.

4 Press ▲/▼ to select “Auto Sync.”, and then press **ENTER**.

5 Press ◀/▶ to select “Yes”, and then press **ENTER**.

- Auto Sync. starts.



NOTE

- Auto Sync. is likely to succeed when an input PC image has wide vertical stripes (e.g. pattern with high contrast stripes, or cross-hatched).
  It may fail when an input PC image is solid (low contrast).
- Be sure to connect the PC to the TV and switch it on before starting Auto Sync.

Adjusting the PC image manually

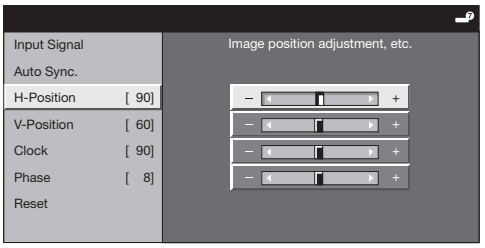
Ordinarily you can easily adjust the picture as necessary to change image position using Auto Sync. In some cases, however, manual adjustment is needed to optimise the image.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Option”.

3 Press ▲/▼ to select “Fine Sync.”, and then press **ENTER**.

4 Press ▲/▼ to select a specific adjustment item among “H-Position”, “V-Position”, “Clock” and “Phase”.



Selected item	Description
H-Position	Centres the image by moving it to the left or right.
V-Position	Centres the image by moving it up or down.
Clock	Adjusts when the image flickers with vertical stripes.
Phase	Adjusts when characters have low contrast or when the image flickers.

5 Press ◀/▶ to adjust the item to your desired position.

NOTE

- For resetting all adjustment items to the factory preset values, press ▲/▼ to select “Reset”, press **ENTER**, press ◀/▶ to select “Yes”, and then press **ENTER**.
- Images may not be displayed properly depending on the settings and/or input signals.

Input resolution settings

Selecting the input resolution

- Some input signals may have to be registered manually to display properly.
- The pairs of input signals (resolutions) in the list below are not distinguishable when received. In such case, you have to set the correct signal manually. After setting once, it will display when the same signal (resolution) is input again.

1024 x 768	1360 x 768

NOTE

- You can only select the “Input Signal” on the Setup menu when receiving one of the 2 input signals listed above.

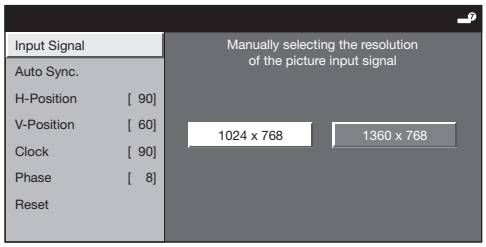
1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Option”.

3 Press ▲/▼ to select “Fine Sync.”, and then press **ENTER**.

4 Press ▲/▼ to select “Input Signal”, and then press **ENTER**.

5 Press ◀/▶ to select the desired input signal on the display, and then press **ENTER**.



(Example)

PC Control of the TV

- When a programme is set, the TV can be controlled from the PC using the RS-232C terminal. The input signal (PC/video) can be selected, the volume can be adjusted and various other adjustments and settings can be made, enabling automatic programmed playing.
- Attach an RS-232C cable cross-type (commercially available) to the Din/D-sub RS-232C for the connections.

NOTE

- This operation system should be used by a person who is accustomed to using PCs.

Communication conditions

Set the RS-232C communications settings on the PC to match the communications conditions of the TV. The communications settings of the TV are as follows:

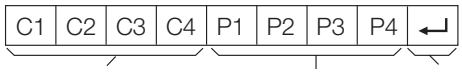
Baud rate:	9,600 bps
Data length:	8 bits
Parity bit:	None
Stop bit:	1 bit
Flow control:	None

Communication procedure

Send the control commands from the PC via the RS-232C connector.
The TV operates according to the received command and sends a response message to the PC.
Do not send multiple commands at the same time. Wait until the PC receives the OK response before sending the next command.

Command format

Eight ASCII codes + CR



Command 4-digits: Command. The text of four characters.
Parparameter 4-digits: Parameter 0 — 9, space, ?

Parameter

Input the parameter values, aligning left, and fill with space(s) for the remainder. (Be sure that four values are input for the parameter.)
When the input parameter is not correct, “ERR” returns. (Refer to “Response code format”.)

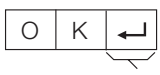
0			
0	0	0	9
–	3	0	
1	0	0	
0	0	5	5

When “?” is input for some commands, the present setting value responds.

?			
?	?	?	?

Response code format

Normal response



Problem response (communication error or incorrect command)

PC compatibility chart

Resolution		Horizontal Frequency	Vertical Frequency	VESA Standard
VGA	720 × 400	31.5 kHz	70 Hz	
	640 × 480	31.5 kHz	60 Hz	✓
	640 × 480	37.9 kHz	72 Hz	✓
	640 × 480	37.5 kHz	75 Hz	✓
SVGA	800 × 600	35.1 kHz	56 Hz	✓
	800 × 600	37.9 kHz	60 Hz	✓
	800 × 600	48.1 kHz	72 Hz	✓
	800 × 600	46.9 kHz	75 Hz	✓

Resolution		Horizontal Frequency	Vertical Frequency	VESA Standard
XGA	1024 × 768	48.4 kHz	60 Hz	✓
	1024 × 768	56.5 kHz	70 Hz	✓
	1024 × 768	60.0 kHz	75 Hz	✓
WXGA	1360 × 768	47.7 kHz	60 Hz	✓
SXGA	1280 × 1024	64.0 kHz	60 Hz	✓
SXGA+	1400 × 1050	65.3 kHz	60 Hz	✓

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Power Management is a registered trademark of Sun Microsystems, Inc.
VGA and XGA are registered trademarks of International Business Machines Corp.

RS-232C commands list

Commands

- Commands not indicated here are not guaranteed to operate.

CONTROL ITEM	COMMAND	PARAMETER	CONTROL CONTENTS
POWER SETTING	POWR	0___	POWER OFF (STANDBY)
INPUT SELECTION A	ITGD	____	INPUT SWITCHING (TOGGLE)
	ITVD	____	TV (CHANNEL FIXED)
	IDTV	____	D-TV (CHANNEL FIXED)
	IAVD	*___	INPUT1–7 (1–7)
CHANNEL	DCCH	**__	TV DIRECT CHANNEL (1–99)
	CHUP	____	CHANNEL UP
	CHDW	____	CHANNEL DOWN
	DTVD	***_	D-TV DIRECT CHANNEL (1–999)
	DTUP	____	D-TV CHANNEL UP
	DTDW	____	D-TV CHANNEL DOWN
INPUT SELECTION B	INP4	0___	INPUT4 (Auto)
	INP4	2___	INPUT4 (S-VIDEO)
	INP4	3___	INPUT4 (VIDEO)
	INP5	0___	INPUT5 (Auto)
	INP5	1___	INPUT5 (COMPONENT)
	INP5	3___	INPUT5 (VIDEO)
	INP6	0___	INPUT6 (Auto)
	INP6	1___	INPUT6 (COMPONENT)
	INP6	3___	INPUT6 (VIDEO)
AV MODE SELECTION	AVMD	0___	TOGGLE
	AVMD	1___	STANDARD
	AVMD	2___	MOVIE
	AVMD	3___	GAME
	AVMD	4___	USER
	AVMD	5___	DYNAMIC (FIXED)
	AVMD	6___	DYNAMIC
	AVMD	7___	PC

CONTROL ITEM	COMMAND	PARAMETER	CONTROL CONTENTS
VOLUME	VOLM	**__	VOLUME (0–60)
POSITION	HPOS	**_	H-POSITION (AV) (–10–10)
	HPOS	**_	H-POSITION (PC) (0–180)
	VPOS	**_	V-POSITION (AV) (–20–20)
	VPOS	**_	V-POSITION (PC) (0–120)
	CLCK	**_	CLOCK (0–180)
	PHSE	**__	PHASE (0–15)
WIDE MODE	WIDE	0___	TOGGLE
	WIDE	1___	NORMAL
	WIDE	2___	ZOOM 14:9
	WIDE	3___	PANORAMA
	WIDE	4___	FULL
	WIDE	5___	CINEMA 16:9
	WIDE	6___	CINEMA 14:9
	WIDE	7___	UNDERSCAN
	WIDE	8___	DOT BY DOT
MUTE	MUTE	0___	TOGGLE
	MUTE	1___	MUTE ON
	MUTE	2___	MUTE OFF
SURROUND	ACSU	0___	SURROUND TOGGLE
	ACSU	1___	SURROUND ON
	ACSU	2___	SURROUND OFF
AUDIO CHANGE	ACHA	____	TOGGLE
SLEEP TIMER	OFTM	0___	OFF
	OFTM	1___	SLEEP TIMER 30 MIN
	OFTM	2___	SLEEP TIMER 1 HOUR
	OFTM	3___	SLEEP TIMER 1 HOUR 30 MIN
	OFTM	4___	SLEEP TIMER 2 HOUR
	OFTM	5___	SLEEP TIMER 2 HOUR 30 MIN

NOTE

- If an underbar (_) appears in the parameter column, enter a space.
- If an asterisk (*) appears, enter a value in the range indicated in brackets under CONTROL CONTENTS.

Appendix

Troubleshooting

The problems described below are not always caused by malfunctions. Check the TV again before having the TV serviced.

Problem	Possible Solution
• No power.	• Check if you pressed **POWER** on the remote control unit. (See page 14.) If the indicator on the TV lights up red, press **POWER**. • Is the AC cord disconnected? (See page 10.) • Has the power been turned on? (See page 14.)
• Unit cannot be operated.	• External influences such as lightning, static electricity, etc., may cause improper operation. In this case, operate the unit after first turning the power off the TV or unplugging the AC cord and re-plugging it in after 1 or 2 minutes.
• Remote control unit does not operate.	• Are batteries inserted with polarity (+, −) aligned? (See page 13.) • Are batteries worn out? (Replace with new batteries.) • Are you using it under strong or fluorescent lighting? • Is a fluorescent light shining on the remote control sensor?
• Picture is cut off.	• Is the image position correct? (See page 35.) • Are screen mode adjustments such as picture size made correctly? (See pages 30, 31 and 57.)
• Strange colour, light colour, or dark, or colour misalignment.	• Adjust the picture tone. (See pages 33 to 35.) • Is the room too bright? The picture may look dark in a room that is too bright. • Check the colour system setting. (See pages 21 and 50.) • Check the input signal setting. (See page 59.) • Check the HDMI Auto View setting. (See page 48.)
• Power is suddenly turned off.	• The unit's internal temperature has increased. Remove any objects blocking the vent or clean. • Check the power control setting. (See pages 28 and 29.) • Is the sleep timer set? (See page 28.)
• No picture.	• Is the connection to external equipment correct? (See pages 11, 12, 48, 56 and 57.) • Has the input signal setup been performed correctly after connection? (See page 59.) • Is the correct input selected? (See page 49.) • Is the picture adjustment correct? (See pages 33 to 35.) • Is the antenna connected properly? (See page 10.) • Is “On” selected in “Audio Only”? (See page 25.)
• No sound.	• Is the volume too low? (See page 19.) • Make sure that headphones are not connected. (See page 8.)
• The TV sometimes makes a cracking sound.	• This is not a malfunction. This happens when the cabinet slightly expands and contracts according to changes in temperature. This does not affect the TV's performance.

Troubleshooting-Digital broadcasting

Problem	Possible Solution
• No picture or no sound.	• Is the correct Input source selected? (See page 49.)
• Block noise appears on the screen.	• Is the antenna pointing in the correct direction? • Check the Signal Level and Quality. (See page 43.) • Are physical objects blocking the antenna? • Is the antenna or antenna cable compatible with D-TV broadcast?
• D-TV broadcasts cannot be received.	• Is the D-TV antenna set up properly? • Is the antenna cable connected properly? (See page 10.) • Is the channel settings correct? (See page 43 and 44.)
• A specific channel cannot be received.	• Check the Signal Level and Quality. (See page 43.)

Cautions regarding use in high and low temperature environments

- When the unit is used in a low temperature space (e.g. room, office), the picture may leave trails or appear slightly delayed. This is not a malfunction, and the unit will recover when the temperature returns to normal.
- Do not leave the unit in a hot or cold location. Also, do not leave the unit in a location exposed to direct sunlight or near a heater, as this may cause the cabinet to deform and the LCD panel to malfunction.
  Storage temperature: −20°C to +60°C.

Error messages about recording using AQUOS LINK

The example of an error message displayed on a screen	Error code	Possible Solution
Failed to record Cannot record the broadcast.	**S05**	Check the content (broadcast or programme) or the recording medium such as HDD or DVD. Either the content or the recording medium may be incompatible.
Failed to record Cannot record the broadcast.	**S06**	This network cannot be recorded. Use the recording function of your recording device, not the AQUOS LINK function.
Failed to record Cannot record the broadcast.	**S07**	
Failed to record	**S09**	Use the recording function of your recording device, not the AQUOS LINK function.
Failed to record	**S10**	
Failed to record	**S11**	
Failed to record	**S12**	
Failed to record Cannot record the programme.	**S13**	Check the content (broadcast or programme). It may be incompatible.
Failed to record Cannot record the programme.	**S14**	
Failed to record No record media available.	**S16**	Check the recording medium.
Failed to record Cannot record while playback.	**S17**	Stop playback and set up the recording again.
Failed to record Cannot record while recording other programme.	**S18**	During recording, another recording is not possible.
Failed to record No record media available.	**S19**	Check the recording medium. Writing to the medium is prohibited.
Failed to record Cannot record while not receiving broadcast.	**S20**	Please check if the settings are properly set. Broadcasts are not receivable.
Failed to record No record media available.	**S21**	Recording to the medium is not possible. Check the recording medium.
Failed to record No recordable memory available.	**S22**	Check the capacity of the recording medium.
Failed to record Age limitation is set.	**S23**	Deactivate the child lock and set up the recording again.
Failed to record Cannot record with the recorder.	**S31**	Check your recording device.

Reset

If complex adjustments are made and the settings cannot be restored to normal, you can reset the settings to the factory preset values.

1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Reset”, and then press **ENTER**.

4 Press ◀/▶ to select “Yes”, and then press **ENTER**.
- When “Reset” is completed, the backlight will turn off and then on in a short period of time.
- The screen will be returned to its original state.
- “Execute auto installation” displays on the screen.

5 Press ◀/▶ to select “Yes” and then press **ENTER**.
- “Auto installation” will be executed.

NOTE

- If you execute “Reset”, all the settings such as Picture, Audio, Programme and Language will be reset to the factory preset values.

Identification

You can check the current version of the software on the screen.

Specifications

Item \ Model				LC-42D65H	LC-46D65H
LCD panel				42″ (1070 mm) Advanced Super View & BLACK TFT LCD	46″ (1170 mm) Advanced Super View & BLACK TFT LCD
Resolution				2,073,600 pixels (1920 × 1080)	
Video Colour System				PAL/SECAM/NTSC 3.58/NTSC 4.43/PAL 60	
TV Function	TV-Standard			PAL: B/G, D/K, I SECAM: B/G, D/K, K/K1 NTSC: M	
	Receiving Channel		Digital	DMB-TH	
			VHF/UHF	44.25 — 863.25 MHz	
			CATV	S1 — S41ch (including Hyperband)	
	Digital Terrestrial Broadcast			470MHz-862MHz	
	TV-Tuning System			Auto Preset 99 ch	
	STEREO/BILINGUAL			NICAM: B/G, I, D/K A2 stereo: B/G	
Brightness				450 cd/m^2	
Backlight life				60,000 hours (at Backlight Standard position)	
Viewing angles				H : 176° V : 176°	
Audio amplifier				15W × 2	
Speakers				10 × 4 cm (4 pcs)	
Terminals	Rear		Antenna input	UHF/VHF 75 Ω DIN type (Analogue & Digital)	
			INPUT1	HDMI (HDMI input) (480P, 576P, 720P/50Hz, 720P/60Hz, 1080I/50Hz, 1080I/60Hz, 1080P/50Hz, 1080P/60Hz,1080P/24Hz), AUDIO in (Ø 3.5 mm jack)	
			INPUT2	HDMI (HDMI input) (480P, 576P, 720P/50Hz, 720P/60Hz, 1080I/50Hz, 1080I/60Hz, 1080P/50Hz, 1080P/60Hz, 1080P/24Hz)	
			INPUT3 (Side)	HDMI (HDMI input) (480P, 576P, 720P/50Hz, 720P/60Hz, 1080I/50Hz, 1080I/60Hz, 1080P/50Hz, 1080P/60Hz, 1080P/24Hz)	
			INPUT4 (Side)	S-VIDEO in, VIDEO in, AUDIO in	
			INPUT5	VIDEO in, AUDIO in, COMPONENT in (480I, 576I, 480P, 576P, 720P/50Hz, 720P/60Hz, 1080I/50Hz, 1080I/60Hz)	
			INPUT6	VIDEO in, AUDIO in, COMPONENT in (480I, 576I, 480P, 576P, 720P/50Hz, 720P/60Hz, 1080I/50Hz, 1080I/60Hz)	
			INPUT7 (PC input)	15 pin mini D-sub, AUDIO in (Ø 3.5 mm jack)	
			MONITOR OUT	VIDEO out, AUDIO out	
			RS-232C	9 pin D-sub male connector	
			DIGITAL AUDIO OUTPUT	Optical Digital Audio output	
	Side		Headphone	Audio output (Ø 3.5 mm jack)	
OSD language			Analogue	English/Simplified Chinese/Traditional Chinese/Arabic	
			Digital	English/Simplified Chinese/Traditional Chinese	
Power Requirement				AC 110 — 240 V, 50/60 Hz	
Power Consumption				227 W (0.5 W Standby)	283 W (0.5 W Standby)
Weight		without stand		21.5 kg	24.5 kg
		with stand		26.5 kg	29.5 kg
Operating Temperature				0°C — 40°C	

- As a part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.

Optional accessory

The listed optional accessory is available for the LCD colour TV. Please purchase it at your nearest shop.

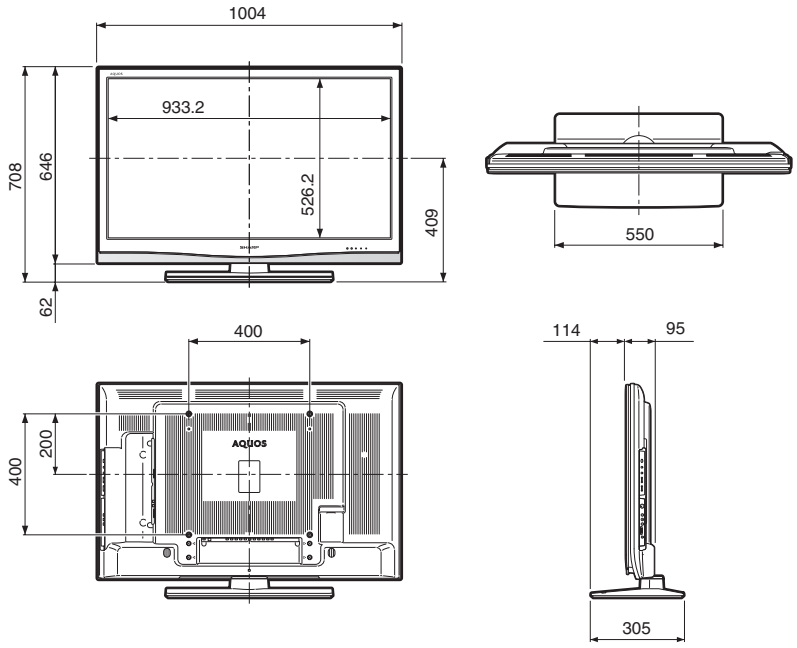
- Additional optional accessories may be available in the near future. When purchasing, please read the newest catalogue for compatibility and check the availability.

Part name	Model number
Wall mount bracket (for LC-42D65H/ LC-46D65H)	AN-52AG4

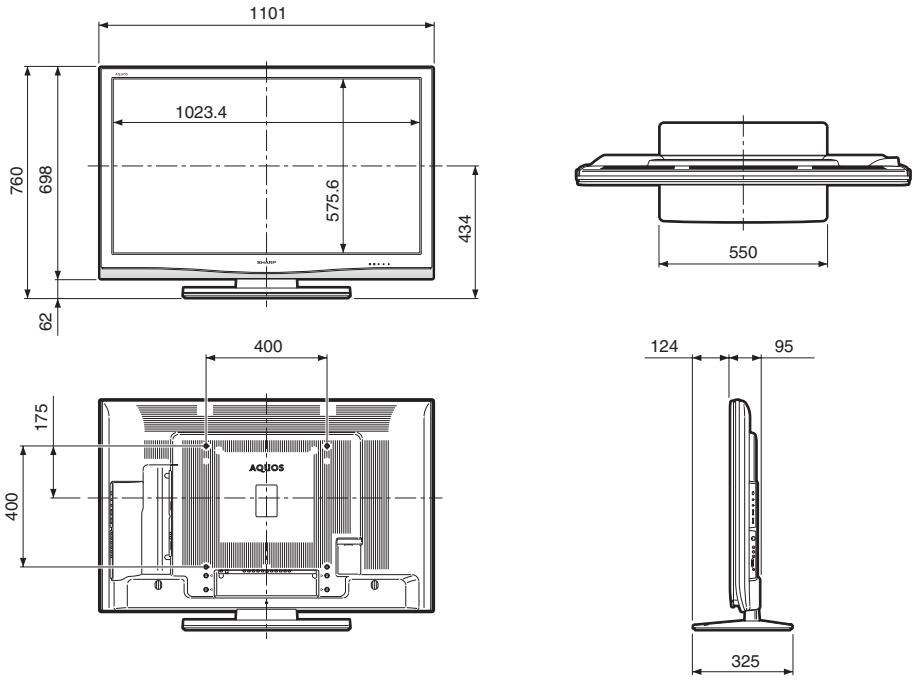
Dimensional drawings

Unit: mm

LC-42D65H



LC-46D65H



Mounting the TV on the wall

Removing the stand

For wall mounting with the optional bracket, remove the stand.

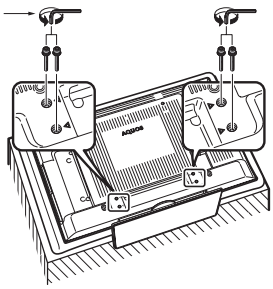
Before detaching/attaching the stand

- Before detaching (or attaching) the stand, unplug the AC cord from the AC outlet.
- Remove all terminal covers and connected cables.
- Lay the TV down on cushioning (such as a blanket) over a table.
- Make sure two or more people perform the operation.

CAUTION

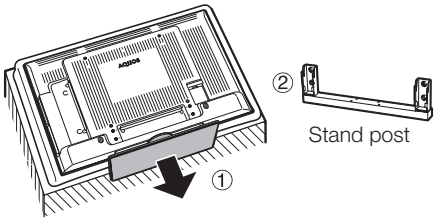
- **Do not remove the stand from the TV unless using an optional bracket to mount it.**

1 Hex key



Unfasten the four screws used to secure the stand in place.

2



① Detach the stand from the TV. (Hold the stand so it will not drop from the edge of the base area.)
② Remove the stand post from the stand base and attach it to the TV.

NOTE

- To attach the stand, perform the above steps in reverse order.

Handling and precautions with the wall-mounted TV

- You can mount the TV on the wall using the optional AN-52AG4 bracket.
- For details, refer to the instructions supplied with the optional bracket.

CAUTION

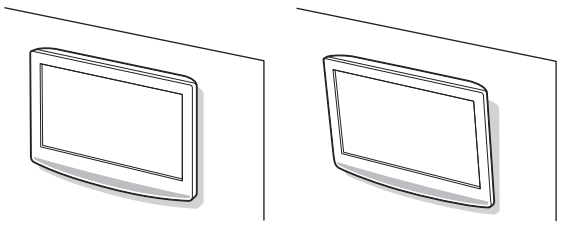
- **This TV should be mounted on the wall only with the AN-52AG4 (SHARP) wall mount bracket. The use of other wall mount brackets may result in an unstable installation and may cause serious injuries.**
- **Installing the Liquid Crystal Television requires special skill that should only be performed by qualified service personnel. Customers should not attempt to do the work themselves. SHARP bears no responsibility for improper mounting or mounting that results in accident or injury.**

Using an optional bracket to mount the TV

- You can ask a qualified service personnel about using an optional AN-52AG4 bracket to mount the TV to the wall.
- Carefully read the instructions that come with the bracket before beginning work.

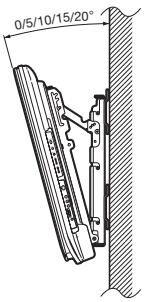
Hanging on the wall

AN-52AG4 wall mount bracket.
(See the bracket instructions for details.)



Vertical mounting　　Angular mounting

About setting the TV angle



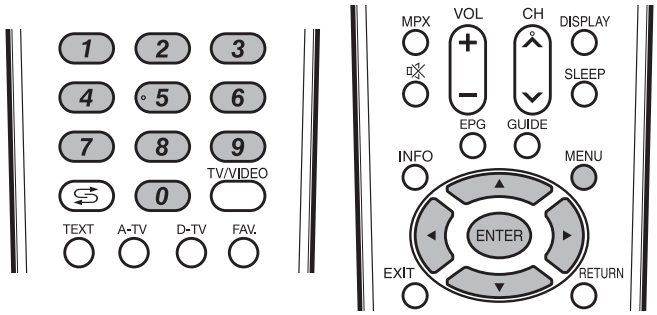
AN-52AG4

NOTE

- Detach the cable clamps on the rear of the TV when using the optional mount bracket.
- To use this TV mounted on a wall, first remove the cover at the 4 locations on the rear of the TV, and then use the screws supplied with the wall mount bracket to secure the bracket to the rear of the TV.

CLEARING THE PASSWORD

If you forget your password, set a new password using the following procedure.



1 Press **MENU** and the MENU screen displays.

2 Press ◀/▶ to select “Setup”.

3 Press ▲/▼ to select “Child Lock”, and then press **ENTER**.

4 The password input screen displays.

– – – –

5 If you enter “3001” using **0-9**, the “Child Lock” setting menu will be displayed.

6 Enter the 4-digit number as a password using **0-9**. (See page 27.)

The new password is now set.

The Password is | | | | | .

NOTE

- As a precautionary measure, make a note of your password above, remove it from this manual, and keep it in a familiar place.

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